

TSD File Inventory Index

Date: January 14, 2001
Initial: CMG/eremo

Facility Name: <u>Regione Industrial Waste, Inc. (Walker - One for Site)</u>		
Facility Identification Number: <u>MD 000 647 032</u>		
A.1 General Correspondence	Y	B.2 Permit Docket (B.1.2)
A.2 Part A / Interim Status	Y	.1 Correspondence
.1 Correspondence	Y	.2 All Other Permitting Documents (Not Part of the ARA)
.2 Notification and Acknowledgment	Y	C.1 Compliance - (Inspection Reports)
.3 Part A Application and Amendments	Y	C.2 Compliance/Enforcement
.4 Financial Insurance (Sudden, Non Sudden)	Y	.1 Land Disposal Restriction Notifications
.5 Change Under Interim Status Requests	Y	.2 Import/Export Notifications
.6 Annual and Biennial Reports	Y	C.3 FOIA Exemptions - Non-Releasable Documents
A.3 Groundwater Monitoring	Y	D.1 Corrective Action/Facility Assessment
.1. Correspondence	Y	.1 RFA Correspondence
.2 Reports	Y	.2 Background Reports, Supporting Docs and Studies
A.4 Closure/Post Closure	Y	.3 State Prelim. Investigation Memos
.1 Correspondence	Y	.4 RFA Reports
.2 Closure/Post Closure Plans, Certificates, etc	Y	D. 2 Corrective Action/Facility Investigation
A.5 Ambient Air Monitoring	Y	.1 RFI Correspondence
.1 Correspondence	Y	.2 RFI Workplan
.2 Reports	Y	.3 RFI Program Reports and Oversight
B.1 Administrative Record	Y	.4 RFI Draft /Final Report

Total -1

.5 RFI QAPP		.7 Lab data, Soil Sampling/Groundwater	
.6 RFI QAPP Correspondence		.8 Progress Reports	
.7 Lab Data, Soil-Sampling/Groundwater		D.5 Corrective Action/Enforcement	
.8 RFI Progress Reports		.1 Administrative Record 3008(h) Order	
.9 Interim Measures Correspondence		.2 Other Non-AR Documents	
.10 Interim Measures Workplan and Reports		D.6 Environmental Indicator Determinations	
D.3 Corrective Action/Remediation Study		.1 Forms/Checklists	
.1 CMS Correspondence		E. Boilers and Industrial Furnaces (BIF)	
.2 Interim Measures		.1 Correspondence	
.3 CMS Workplan		.2 Reports	
.4 CMS Draft/Final Report		F Imagery/Special Studies (Videos, photos, disks, maps, blueprints, drawings, and other special materials.)	
.5 Stabilization		G.1 Risk Assessment	
.6 CMS Progress Reports		.1 Human/Ecological Assessment	
.7 Lab Data, Soil-Sampling/Groundwater		.2 Compliance and Enforcement	
D.4 Corrective Action Remediation Implementation		.3 Enforcement Confidential	
.1 CMI Correspondence		.4 Ecological - Administrative Record	
.2 CMI Workplan		.5 Permitting	
.3 CMI Program Reports and Oversight		.6 Corrective Action Remediation Study	
.4 CMI Draft/Final Reports		.7 Corrective Action/Remediation Implementation	
.5 CMI QAPP		.8 Endangered Species Act	
.6 CMI Correspondence		.9 Environmental Justice	

Note: Transmittal Letter to Be Included with Reports.

Comments: Documents do not justify individual folder per schedule.

NOV 10 1982

O'Rane M. Cornish, Chief
Environmental Services
Research International- U.S.
4300 Crimson Leaf
Memphis, Tennessee 38138

Re: Freedom of Information Act Request
R.I. 352-82

Dear Mr. Cornish:

In response to your letters dated September 30, 1982, and October 26, 1982, the following information is being provided. Materials concerning your initial request were forwarded to you under separate cover on October 29, 1982. Items provided in response to your second letter are enclosed. All materials which have been provided to date are summarized on the enclosed list.

We have provided the following information in response to your requests:

1. Notifications of Hazardous Waste Activity (26)
2. Applications for a Hazardous Waste Permit - - Part A (16)
3. Applications for a Hazardous Waste Permit - - Part B (1)
4. Compliance inspection reports (9)

Spill Prevention Control and Countermeasure Plans for Total Petroleum, Inc., Michigan, will be forwarded to you under separate cover.

Information regarding the following two facilities was not provided after you withdrew that request during a telephone conversation on October 26, 1982, with Ms. Dianne Rowland of my staff:

Ford Motor Company
MID091955476

Ford Motor Company
MID086146826

In addition, there is no information available in the United States Environmental Protection Agency (U.S. EPA) Region V on the following five facilities cited in your October 26, 1982, letter:

* Material Science Corporation
ILD03144002

Pre-Finish Metals Inc.
30610 E. Broadway

Dilex Inc.

Total Petroleum
Wood River, Illinois

Pre-Finish Metals Inc.
1909 S. Busse Highway

* No such name or identification number

MID000647032
Rogers & Industrial Waste
Walker, MI

U.S. EPA Region V has not received Applications for a Hazardous Waste Permit- - Part B from any of the facilities cited in your October 26, 1982, letter and so cannot provide them.

As Ms. Rowland advised, pursuant to Title 40 CFR 2.120(c) "Prepayment or Assurance of Payment," it is necessary for you to prepay the search, computer programming and reproduction costs associated with your requests.

Your check for \$170.00 submitted on October 28, 1982, did not cover the entire cost of providing the materials. The total cost associated with providing the requested information is \$187.00. A Bill of Collection is enclosed for the duplicating charges of \$.20 per page and \$4.50 per half-hour for search time in locating the documents. The total number of pages photocopied was 800 pages, and the total search time was 3 hours.

To meet the additional costs, please forward a cashier's or certified check in the amount of \$17.00, payable to the United States Environmental Protection Agency. Please include the above Freedom of Information Act request number on your check and remit with the top portion of the bill within 30 days to:

Financial Operations Section
United State Environmental
Protection Agency
Region V
230 S. Dearborn Street
Chicago, Illinois 60604

Please contact Ms. Rowland at (312) 886-3713, if you have any questions.

Sincerely,

Basil G. Constantelos, Director
Waste Management Division

Enclosures

cc: Facilities identified on enclosed lists (26)
Illinois Environmental Protection Agency
Indiana State Board of Health
Ohio Environmental Protection Agency
Minnesota Pollution Control Board
Wisconsin Department of Natural Resources
Michigan Department of Natural Resources

Notification of Hazardous Waste Activity, Application for a Hazardous
Waste Permit - - Part A and Part B, Inspection Reports

Thomas Solvent Co.
1180 N. Raymond Road
Battle Creek, Michigan
MID039993902 (N&I)

A.M. General Corporation
701 West Chippewa Avenue
South Bend, Indiana
IND051217776 (N&A)

Mooney Chemical Inc.
2301 Scranton Road
Cleveland, Ohio
OHD004165742 (N)

Environmental Waste Removal Inc.
South Broadway Street & Reed Road
Coal City, Illinois
ILD087157251 (N&A)

NCR Corporation
1700 South Patterson
Dayton, Ohio
OHD001316090 (N)

NCR Corporation E&M
1/2 mile off U.S. 70 & 77 Cochran Ave.
Cambridge, Ohio
OHD001876267 (N&A)

S&C Electric Company
6601 N. Ridge Blvd.
Chicago, Illinois
ILD005068895 (N,A&I)

Chemical Recovery Systems Inc.
36345 Van Born Road
Romulus, Michigan
MID060975844 (N,A&B)

Brighton Landfill
Craig Lake Road
Brighton, Illinois
ILD000667139 (N&A)

McLaughlin Gormley King Company
1715 Fifth Street SE
Minneapolis, Minnesota
MNT280010117 (N&A)

Ford Motor Company
FMC Corp. ACG
Spinks Corner
Benton Harbor, Michigan
MID000718494 (N)

Ford Motor Company
Dearborn Stamping Plant
3001 Miller Road
Dearborn, Michigan
MID005379797 (N)

Stoddard & Sons Waste Oil Company
3456 12th Street
Wayland, Michigan
MID000809574 (N&A)

Rozema Industrial Waste Inc.
2900 Peachridge
Walker, Michigan
MID000647032 (N,A&I)

Liberty Solvent & Chemical Co., Inc.
9429 Ravenna Road
Twinsburg, Ohio
OHD052324548 (N,A&I)

Huth Oil Service
2891 E. 83rd Street
Cleveland, Ohio
OHD017770389 (N,A&I)

N = Notification
A = Part A
B = Part B
I = Inspection Report

Notification of Hazardous Waste Activity, Application for a
Hazardous Waste Permit-- Part A and Inspection Reports (Continued)

Sundstrand Hydro-Transmission
Airport Road
LaSalle, Illinois 61301
ILD002983997 (N,A&I)

Sundstrand Aviation Operations Plant 1
2421 Eleventh Street
Rockford, Illinois 61101
ILD010219665 (N,A&I)

Sundstrand Aviation Operations Plant 6
4747 Harrison Avenue
Rockford, Illinois 61101
ILD005144662 (N&I)

Pre Finish Metals Incorporated
2111 E. Pratt Boulevard
Elk Grove Village, Illinois 60007
ILT180010407 (N&A)

Metro Landfill
10712 S. 124th Street
Franklin, Wisconsin 53132
WID098547854 (N&A)

Total Petroleum, Inc.
East Superior Street
Alma, Michigan 48801
MID005358130 (N,A&I)

Total Petroleum, Inc.
Romulus Products Terminal
28001 Citrin Drive
Romulus, Michigan 48174
MID057697591 (N)

Total Petroleum, Inc.
Traverse City Products Terminal
13544 W. Bay Shore Road
Traverse City, Michigan 49684
MID062218946 (N)

Total Petroleum, Inc.
Bay City Products Terminal
806 Prairie Road
Bay City, Michigan 48706
MID000781732 (N)

Total Petroleum, Inc.
Lansing Products Terminal
6300 W. Grand River
Lansing, Michigan 48906
MID000781765 (N)

N = Notification
A = Part A
I = Inspection Report



UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION V

111 West Jackson Blvd.
CHICAGO, ILLINOIS 60604

REPLY TO ATTENTION OF:
RCRA ACTIVITIES

Mr. Ronald Cheyne
Vice President
Rozema Industrial Waste Inc.
3164 Hudson
Hudsonville, MI 49426

RE: Interim Status Acknowledgement USEPA ID No. MID00647032
FACILITY NAME: Rozema Industrial Waste Inc.

Dear Mr. Cheyne:

This is to acknowledge that the U.S. Environmental Protection Agency (USEPA) has completed processing your Part A Hazardous Waste Permit Application. It is the opinion of this office that the information submitted is complete and that you, as an owner or operator of a hazardous waste management facility, have met the requirements of Section 3005(e) of the Resource Conservation and Recovery Act (RCRA) for Interim Status. However, should USEPA obtain information which indicates that your application was incomplete or inaccurate, you may be requested to provide further documentation of your claim for Interim Status. Our opinion will be reevaluated on the basis of this information.

As an owner or operator of a hazardous waste management facility, you are required to comply with the interim status standards as prescribed in 40 CFR Parts 122 and 265, or with State rules and regulations in those States which have been authorized under Section 3006 of RCRA. In addition, you are reminded that operating under interim status does not relieve you from the need to comply with all applicable State and local requirements.

The printout enclosed with this letter identifies the limit(s) of the process design capacities your facility may use during the interim status period. This information was obtained from your Part A Permit application. If you wish to handle new wastes, to change processes, to increase the design capacity of existing processes, or to change ownership or operational control of the facility, you may do so only as provided in 40 CFR Sections 122.22 and 122.23.

As stated in the first paragraph of this letter, you have met the requirements of 40 CFR Part 122.23; your facility may operate under interim status until such time as a permit is issued or denied. This will be preceded by a request from this office or the State (if authorized) for Part B of your application. Please contact Arthur Kawatachi of my staff at (312) 886-7449, if you have any questions concerning this letter or the enclosure.

Sincerely yours,

Karl J. Klepitsch, Jr., Chief
Waste Management Branch

Enclosure

JMB
5/20/82

FACILITY NAME

ROZEMA INDUSTRIAL WASTE INC

EPA ID NUMBER

MID000647032

FACILITY OPERATOR

ROZEMA INDUSTRIAL WASTE INC

FACILITY OWNER

ROZEMA INDUSTRIAL WASTE INC

FACILITY LOCATION

2900 PEACHRIDGE
WALKER

MI 49504

PROCESS CODE

T04
S02

DESIGN CAPACITY

5000.00000
161600.00000

UNIT OF MEASURE

U
G

*****KEY*****

PROCESS	PRO- CESS CODE	APPROPRIATE UNITS OF MEASURE	* UNIT OF MEASURE	CODE
STORAGE:				
CONTAINER	S01	G OR L	* GALLONS	G
TANK	S02	G OR L	* LITERS	L
WASTE PILE	S03	Y OR C	* CUBIC YARDS	Y
SURFACE IMPOUNDMENT	S04	G OR L	* CUBIC METERS	C
DISPOSAL:			* GALLONS PER DAY	U
			* LITERS PER DAY	V
			* TONS PER HOUR	D
INJECTION WELL	D79	G,L,U, OR V	* METRIC TONS\HOUR	W
LANDFILL	D80	A OR F	* GALLONS\HOUR	E
LAND APPLICATION	D81	B OR Q	* LITERS\HOUR	H
OCEAN DISPOSAL	D82	U OR V	* ACRE-Feet	A
SURFACE IMPOUNDMENT	D83	G OR L	* HECTARE-METER	F
TREATMENT:			* ACRES	B
			* HECTARES	Q
TANK	T01	U OR V	* POUNDS\HOUR	J
SURFACE IMPOUNDMENT	T02	U OR V	* KILOGRAMS\HOUR	R
INCINERATOR	T03	D,W,E, OR H	* TONS PER DAY	D
OTHER	T04	J,R,N,S,U,V	* METRIC TONS\DAY	S

PAF



**ACKNOWLEDGEMENT OF NOTIFICATION
OF HAZARDOUS WASTE ACTIVITY
(VERIFICATION)**

This is to acknowledge that you have filed a Notification of Hazardous Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER

• MID000647032 REACKNOWLEDGEMENT

ROZEMA INDUSTRIAL WASTE INC
3164 HUDSON
HUDSONVILLE MI 49426

INSTALLATION ADDRESS

2900 PEACHRIDGE
WALKER MI 49504

AUG 11 1980

Bozema
3164 Hudson
Hudsonville, MI
49426



EPA - REGION V
RCRA ACTIVITIES
P.O. BOX 7861
CHICAGO, IL 60680

AUG 11 1980

NOTIFICATION OF
HAZARDOUS WASTE ACTIVITY

DETACH ALONG THIS LINE

FORM 1	EPA	U.S. ENVIRONMENTAL PROTECTION AGENCY GENERAL INFORMATION Consolidated Permits Program (Read the "General Instructions" before starting.)	I. EPA I.D. NUMBER FMID00064
LABEL ITEMS		GENERAL INSTRUCTIONS	
I. A.I.D. NUMBER	FMID000647032 MID000647032		
III. FACILITY NAME	ROZEMA INDUSTRIAL WASTE INC		
V. FACILITY MAILING ADDRESS	3164 HUDSON HUDSONVILLE MI 49426 OUT OF BUSINESS - 2900 PEACHRIDGE WALKER MI 49504 CLOSED FACILITY		
VI. FACILITY LOCATION			

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK 'X'			SPECIFIC QUESTIONS	MARK 'X'		
	YES	NO	FORM ATTACHED		YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)		X		D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X		X	F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP ROZEMA INDUSTRIAL WASTE INC

IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title)	B. PHONE (area code & no.)
2 CHEYNE RONALD V P	616 453 3600

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX	B. CITY OR TOWN	C. STATE	D. ZIP CODE
3 3164 HUDSON	HUDSONVILLE	MI	49426

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER	B. COUNTY NAME		
5 900 PEACHRIDGE	KENT		
C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE (if known)
6 WALKER	MI	49504	081

VII. SIC CODES (4-digit, in order of priority)

A. FIRST										B. SECOND									
74214 (specify) HAULING LIQUID WASTE										74953 (specify) REFUSE SYSTEMS									
C. THIRD										D. FOURTH									
73340 (specify) NON FERROUS METAL PRODUCTS										74900 (specify) SANITARY SERVICES									

VIII. OPERATOR INFORMATION

A. NAME																																																												B. Is the name listed in Item VIII-A also the owner?																			
8 ROZEMA INDUSTRIAL WASTE INC.																																																												<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO																			
C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)																																																												D. PHONE (area code & no.)																			
F = FEDERAL S = STATE P = PRIVATE																														M = PUBLIC (other than federal or state) O = OTHER (specify)																														P (specify)										A 616 453 3600									
E. STREET OR P.O. BOX																																																																															
3164 HUDSON																																																																															
F. CITY OR TOWN																																								G. STATE										H. ZIP CODE										IX. INDIAN LAND																			
B HUDSONVILLE																																								MI										49426										Is the facility located on Indian lands? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO																			

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)																														D. PSD (Air Emissions from Proposed Sources)																													
9 N																														9 P																													
B. UIC (Underground Injection of Fluids)																														E. OTHER (specify)																													
9 U																														9 2 950 78 (specify) PERMIT TO CONSTRUCT MICH DNR AIR QUALITY																													
C. RCRA (Hazardous Wastes)																														E. OTHER (specify)																													
9 R																														(specify)																													

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

A/50

XII. NATURE OF BUSINESS (provide a brief description)

Dehydration of dewatered treated metal hydroxide. The end product is used as a mineral filler.

A/51

XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)																														B. SIGNATURE																														C. DATE SIGNED									
RONALD L. CHEYNE V. P.																														Ronald L. Cheyne																														11/17/80									

COMMENTS FOR OFFICIAL USE ONLY

C																																																											
15 16																																																											

U.S. ENVIRONMENTAL PROTECTION AGENCY
NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

INSTALLATION'S EPA I.D. NO.

I. NAME OF INSTALLATION

II. INSTALLATION MAILING ADDRESS

III. LOCATION OF INSTALLATION

ROZEMA INDUSTRIAL WASTE
3164 HUDSON
HUDSONVILLE, MI 49426**OUT OF BUSINESS** 00243 AUG 11 80
2900 PEACH RIDGE
HUDSONVILLE, MI 49426 WALKER, MI 49504
CLOSED FACILITY

INSTRUCTIONS: If you received a preprinted label, affix it in the space at left. If any of the information on the label is incorrect, draw a line through it and supply the correct information in the appropriate section below. If the label is complete and correct, leave Items I, II, and III below blank. If you did not receive a preprinted label, complete all items. "Installation" means a single site where hazardous waste is generated, treated, stored and/or disposed of, or a transporter's principal place of business. Please refer to the INSTRUCTIONS FOR FILING NOTIFICATION before completing this form. The information requested herein is required by law (Section 3010 of the Resource Conservation and Recovery Act).

FOR OFFICIAL USE ONLY

COMMENTS

INSTALLATION'S EPA I.D. NUMBER
MI D00064703221
APPROVED
A
DATE RECEIVED
(yr., mo., & day)
800811

I. NAME OF INSTALLATION

ROZEMA INDUSTRIAL WASTE INC

II. INSTALLATION MAILING ADDRESS

STREET OR P.O. BOX

3164 HUDSON

CITY OR TOWN

HUDSONVILLE

ST.

ZIP CODE

MI 49426

III. LOCATION OF INSTALLATION

STREET OR ROUTE NUMBER

52900 PEACH RIDGE

CITY OR TOWN

6 WALKER

ST.

ZIP CODE

MI 49504

IV. INSTALLATION CONTACT

NAME AND TITLE (last, first, & job title)

2 RONALD CHEYNE

PHONE NO. (area code & no.)

616-531-6490

V. OWNERSHIP

A. NAME OF INSTALLATION'S LEGAL OWNER

8 ROZEMA INDUSTRIAL WASTE INC

B. TYPE OF OWNERSHIP
(enter the appropriate letter into box)F = FEDERAL
M = NON-FEDERAL

M

VI. TYPE OF HAZARDOUS WASTE ACTIVITY (enter "X" in the appropriate box(es))

☒ A. GENERATION☒ B. TRANSPORTATION (complete item VII)☒ C. TREAT/STORE/DISPOSE☐ D. UNDERGROUND INJECTION

VII. MODE OF TRANSPORTATION (transporters only - enter "X" in the appropriate box(es))

☐ A. AIR☐ B. RAIL☒ C. HIGHWAY☐ D. WATER☐ E. OTHER (specify):

VIII. FIRST OR SUBSEQUENT NOTIFICATION

Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your Installation's EPA I.D. Number in the space provided below.

☒ A. FIRST NOTIFICATION☐ B. SUBSEQUENT NOTIFICATION (complete item C)

C. INSTALLATION'S EPA I.D. NO.

MI D000647032

IX. DESCRIPTION OF HAZARDOUS WASTES

Please go to the reverse of this form and provide the requested information.

I.D. - FOR OFFICIAL USE ONLY

S	W	M	I	T	O	C	O	0	4	7	0	3	2	2	1
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

IX. DESCRIPTION OF HAZARDOUS WASTES (continued from front)

A. HAZARDOUS WASTES FROM NON-SPECIFIC SOURCES. Enter the four-digit number from 40 CFR Part 261.31 for each listed hazardous waste from non-specific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
ALL MATERIALS LISTED IN PART 261, SUBPART D,					
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26
7	8	9	10	11	12
			SECTION 261.31		
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four-digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific industrial sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
ALL MATERIALS LISTED IN PART 261, SUBPART D,					
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26
19	20	21	22	23	24
			SECTION 261.32		
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26
25	26	27	28	29	30
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four-digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
ALL MATERIALS LISTED IN PART 261, SUBPART D,					
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26
37	38	39	40	41	42
			SECTION 261.33		
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26
43	44	45	46	47	48
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26

D. LISTED INFECTIOUS WASTES. Enter the four-digit number from 40 CFR Part 261.34 for each listed hazardous waste from hospitals, veterinary hospitals, medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26

E. CHARACTERISTICS OF NON-LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non-listed hazardous wastes your installation handles. (See 40 CFR Parts 261.21 - 261.24.)

☒ 1. IGNITABLE
(D001)☒ 2. CORROSIVE
(D002)☒ 3. REACTIVE
(D003)☒ 4. TOXIC
(D000)

X. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE



NAME & OFFICIAL TITLE (type or print)

MANAGER.

DATE SIGNED

EPA Form 8700-12 (6-80) REVERSE

FORM 3 RCRA		ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS WASTE PERMIT APPLICATION Consolidated Permits Program (This information is required under Section 3005 of RCRA.)	I. EPA I.D. NUMBER											
			S <input type="checkbox"/> M <input type="checkbox"/> I <input type="checkbox"/> D <input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 6 <input type="checkbox"/> 4 <input type="checkbox"/> 7 <input type="checkbox"/> 0 <input type="checkbox"/> 3 <input type="checkbox"/> 2 T/A C 1											

FOR OFFICIAL USE ONLY														
APPLICATION APPROVED					DATE RECEIVED (yr., mo., & day)					COMMENTS				
23					24					29				

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION (place an "X" below and provide the appropriate date)														
<input type="checkbox"/> 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)														
<input checked="" type="checkbox"/> 2. NEW FACILITY (Complete item below.)														
FOR NEW FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN														
YR. MO. DAY 79 08 01														
73 74 75 76 77 78														
B. REVISED APPLICATION (place an "X" below and complete Item I above)														
<input type="checkbox"/> 1. FACILITY HAS INTERIM STATUS														
<input type="checkbox"/> 2. FACILITY HAS A RCRA PERMIT														
72														

III. PROCESSES - CODES AND DESIGN CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C).

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:			Treatment:		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS		T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	SURFACE IMPOUNDMENT	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS	INCINERATOR	T04	GALLONS PER DAY OR LITERS PER DAY
Disposal:			OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)		
INJECTION WELL	D79	GALLONS OR LITERS			
LANDFILL	D80	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER			
LAND APPLICATION	D81	ACRES OR HECTARES			
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY			
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS			
UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE CODE
GALLONS	G	LITERS PER DAY	ACRE-FEET	A	
LITERS	L	TONS PER HOUR	HECTARE-METER	F	
CUBIC YARDS	Y	METRIC TONS PER HOUR	ACRES	B	
CUBIC METERS	C	GALLONS PER HOUR	HECTARES	Q	
GALLONS PER DAY	U	LITERS PER HOUR			

EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

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1 2 13 14 15														
B. PROCESS DESIGN CAPACITY														
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LINE NUMBER														
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1. AMOUNT (specify)														
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III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

Line 2 T04 Dehydration in Rotary Dryer

IV. DESCRIPTION OF HAZARDOUS WASTES

A. EPA HAZARDOUS WASTE NUMBER — Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE CODE
POUNDS P
TONS T

METRIC UNIT OF MEASURE CODE
KILOGRAMS K
METRIC TONS M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.

2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.

3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZ. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				included with above

99

EPA I.D. NUMBER (enter from page 1)															FOR OFFICIAL USE ONLY											
S W M I D 0 0 0 0 6 4 7 0 3 2 T/A C 1															S W DUP T/A C 2 DUP											
DESCRIPTION OF HAZARDOUS WASTES (continued)															D. PROCESSES											
LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)					B. ESTIMATED ANNUAL QUANTITY OF WASTE					C. UNIT OF MEASURE (enter code)	1. PROCESS CODES (enter)								2. PROCESS DESCRIPTION (if a code is not entered in D(1))						
	23	24	25	26	27	28	29	30	31	32		33	34	35	36	37	38	39	40		41	42	43	44	45	46
1	F	0	0	6		12,000					T					S	0	2	T	0	4					Dehydration in Rotary Dryer
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IV. DESCRIPTION OF HAZARDOUS WASTE (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 1.

EPA I.D. NO. (enter from page 1)

S	F	M	I	D	0	0	0	6	4	7	0	3	2	T/A	C
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)

43 01 000

LONGITUDE (degrees, minutes, & seconds)

085 44 018

VIII. FACILITY OWNER

☒ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER

2. PHONE NO. (area code & no.)

3. STREET OR P.O. BOX

4. CITY OR TOWN

5. ST.

6. ZIP CODE

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)

RONALD L. CHEYNE

B. SIGNATURE



C. DATE SIGNED

11/17/80

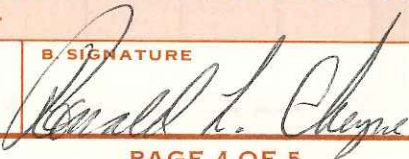
X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)

RONALD L. CHEYNE

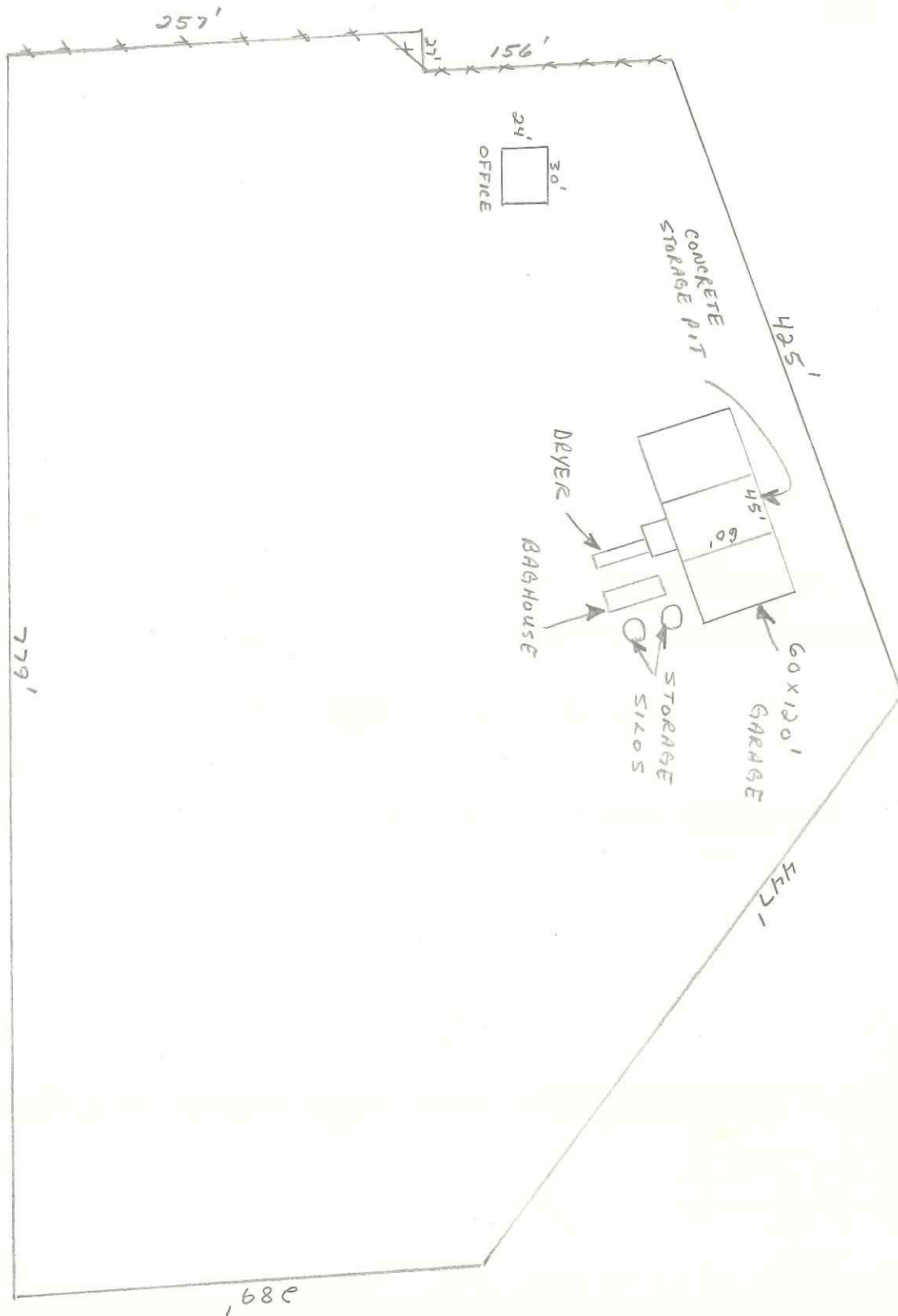
B. SIGNATURE



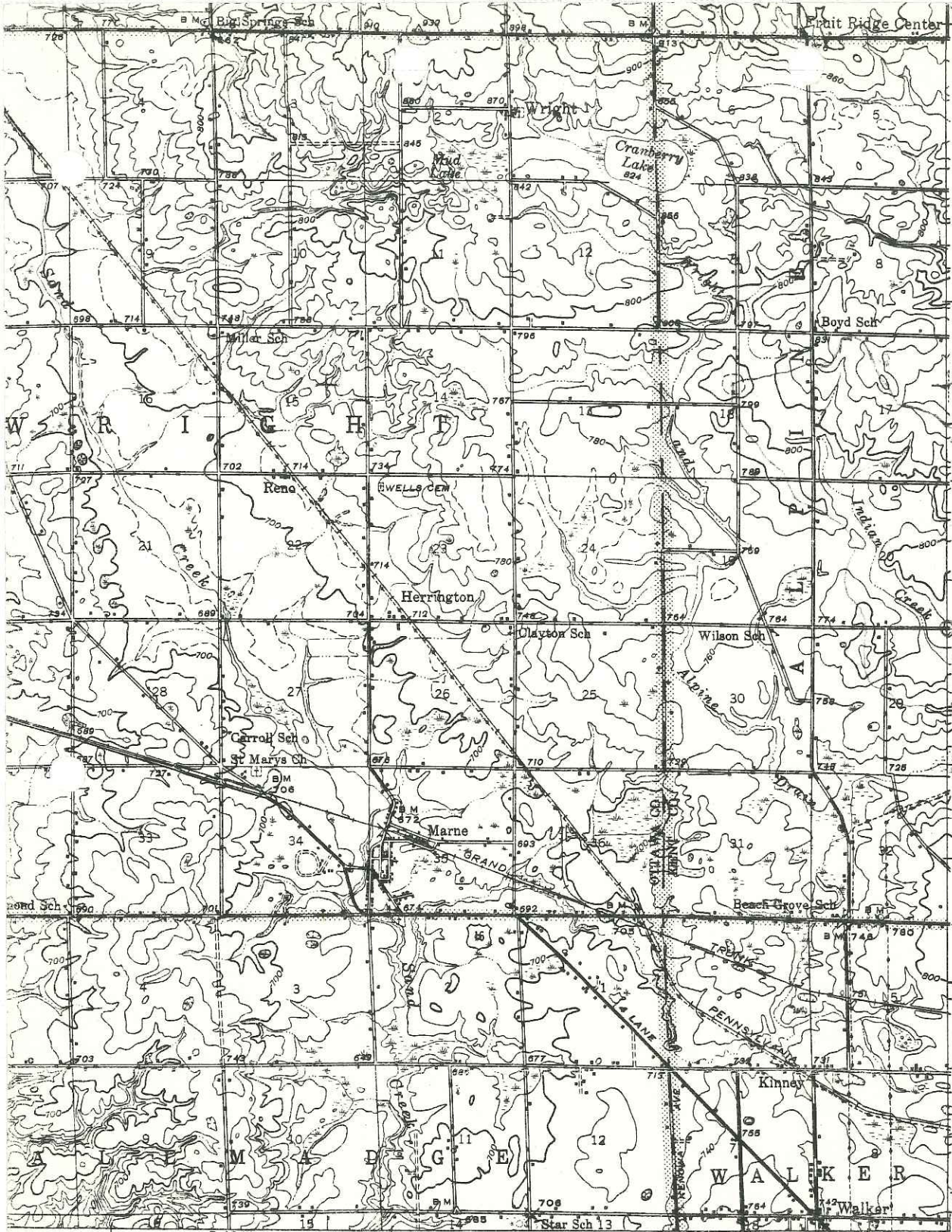
C. DATE SIGNED

11/17/80

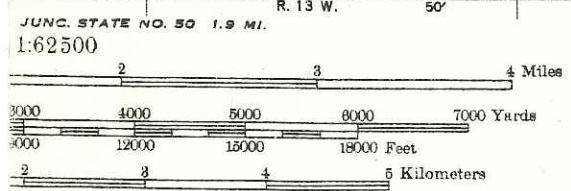
V. FACILITY DRAWING (see page 4)



99



D.A. = 2.02 sq. miles
#1260 Acres
JOHNSON CORNERS 1.5 MI.
COMSTOCK PARK 4.3 MI.
4 mile



JUNC. STATE NO. 50 1.9 MI.
GRANDVILLE 6.4 MI.

Polyconic projection, 1927 North American datum
10000 foot grid based on Michigan (Central)
rectangular coordinate system
To join Cedar Springs map
use dotted projection corners

GRAND RAPIDS (JUNC. U. S. NO. 131) 6.8 MI.

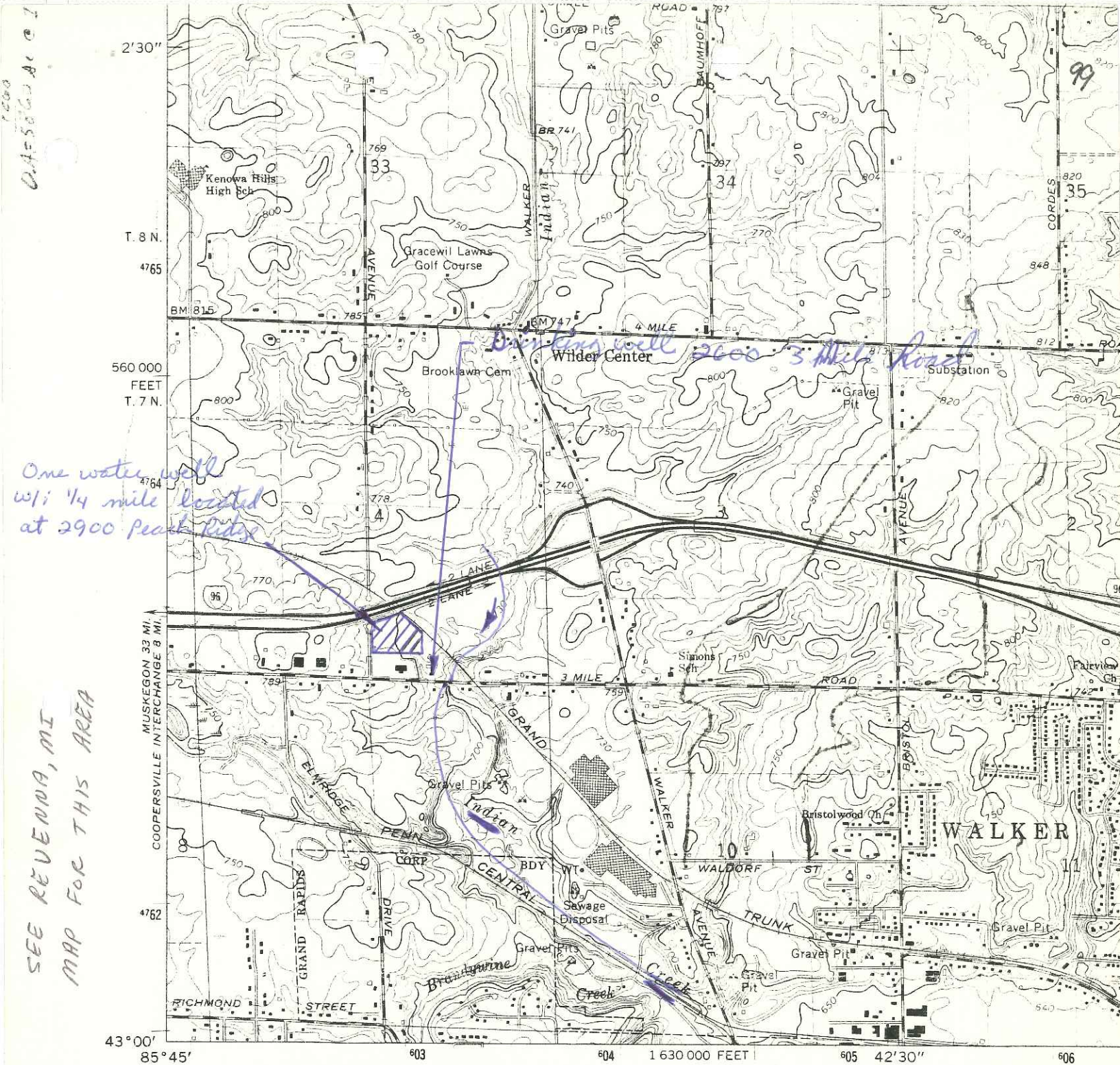
RAVENNA, MICH.
Edition of 1947

N4300-W8545/i5

Interval feet
Added in dashed lines
Mean sea level



15' minute series



(GRANDVILLE)
3869 IV NE

Mapped, edited, and published by the Geological Survey
in cooperation with State of Michigan agencies

Control by USGS and USC&GS

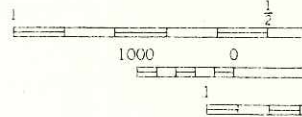
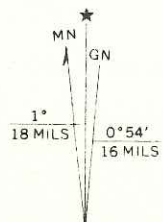
Topography by photogrammetric methods from aerial
photographs taken 1965. Field checked 1967

Polyconic projection. 1927 North American datum
10,000-foot grid based on Michigan coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks,
zone 16, shown in blue

Red tint indicates areas in which only landmark buildings are shown

Fine red dashed lines indicate selected fence and field lines where
generally visible on aerial photographs. This information is unchecked

LATITUDE NORTH 43° 01' 00"
LONGITUDE WEST 85° 44' 18"



7 1/2 MINUTE SERIES

UTM GRID AND 1967 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

THIS MAP C
FOR SALE BY U
A FOLDER DESCRIBING





A.4 Closure/
Post-Closure

23 JUL 1982

Mr. Ronald L. Cheyne
 Vice President
 Rozema Industrial Waste Inc.
 3164 Hudson Street
 Hudsonville, Michigan 48426

RE: MID000647032

Dear Mr. Cheyne:

On July 14, 1981, you submitted to the United States Environmental Protection Agency the closure plan for your facility located at 2900 Peach Ridge, Walker, Michigan (MID000647032). The plan called for the removal of hazardous waste from storage tanks and a rotary drier. A 30-day public comment period on this plan ended on May 19, 1982. No comments were received regarding the closure of this facility.

The closure plan is hereby approved. Please submit the certifications required by 40 CFR (265.115).

Please contact Mr. Joseph M. Boyle of my staff, at (312) 886-3754, if you have any further questions on this matter.

Sincerely,

Basil G. Constantelos, Director
 Waste Management Division

J. BOYLE:gigi & rita:5HW-TUB:6-7444:7/14/82

INTIME DATE	TYPIST <i>gigi</i> 7/15/82	AUTHOR <i>JMB</i> 7/15/82	PEU CHIEF	STU #1 CHIEF <i>BW</i> 7/15/82	STU #2 CHIEF	WMC CHIEF <i>KH</i> 7/12/82	AHMD DIRECTOR <i>KH</i> 7/12/82
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U.S. ENVIRONMENTAL PROTECTION AGENCY

Date: May 20, 1982

To: Joe Boyle

From: Dianne Rowland *PR*

Re: Rozema Industrial Waste, Inc. Closure Plans

22 # MIT000647032 - Walker, Mich
MIT270010390 - Wyoming, Mich

This memorandum notifies that the public comment period pertaining to Rozema Industrial Waste, Inc. ended on May 19, 1982. No comments were received in regard to the closure of two hazardous waste treatment facilities by Rozema Industrial Waste, Inc. in Walker, Mich. and Wyoming, Mich.

PUBLIC VOUCHER FOR ADVERTISING

For Agency Use Only

DEPARTMENT OR ESTABLISHMENT, BUREAU OR OFFICE
U.S. Environmental Protection Agency, Waste Management Branch

VOUCHER NUMBER

PLACE VOUCHER PREPARED
230 S. Dearborn, Chicago, Illinois 60604

DATE PREPARED
4-7-82

SCHEDULE NUMBER

NAME OF PUBLICATION
Grand Rapids Press

PAID BY

NAME OF PUBLISHER OR REPRESENTATIVE
Booth Newspapers, Inc.

ADDRESS (Street, room number, city, State, and ZIP code)
Press Plaza, Vandenberg Center, Grand Rapids, Michigan 49503
FTS 8-372-2000/(616) 459-1400
ATTN: Bunita Hayward

CHARGES

TYPEFACE		(size of type)	(inch, square, word, or folio)	POINT PER	
		NUMBER OR LINES (Indicate counted or space)		COST PER LINE	TOTAL COST
Line Rates	FIRST INSERTION			\$	\$
	ADDITIONAL INSERTIONS GIVE NUMBER ▶				
	TOTAL				\$
Other Rates	FIRST INSERTION	4"		\$15.66	\$ 62.64
	ADDITIONAL INSERTIONS GIVE NUMBER ▶				
	TOTAL				\$

Attach one copy of advertisement (including upper and lower rules) to each copy of voucher here. If copy is not available sign the following affidavit.

PUBLIC NOTICE

The U.S. Environmental Protection Agency (USEPA) has received a request from Rozema Industrial Waste, Inc., Hudsonville, Michigan, for the closure of a hazardous waste treatment facility located at 2900 Peach Ridge, Walker, Michigan, and a hazardous waste treatment facility located at 2650 Thornwood, Wyoming, Michigan. Both closure plans were submitted by the firm on July 14, 1981. The plan for the facility in Walker, Mich. proposes the removal of all metal hydroxide sludge to powder from which metals could be reclaimed. The plan for the facility in Wyoming, Michigan, proposes the removal of all electroplating wastewater treatment sludges from tanks, clarifiers, and filters associated with a 116,000-gallon capacity storage tank and 25,000 gallon-per-day treatment tanks that were used for the filtration of liquid metal hydroxide sludge.

The Rozema Industrial Waste, Inc. request is sought under the rule on Hazardous Waste Management Facility closure (40 CFR 265 Subpart G) which appeared in the Federal Register Jan. 12, 1981, under the Resource Conservation and Recovery Act. The plans will be evaluated by USEPA according to the criteria set forth in the above rule.

A copy of the plans can be seen at the USEPA Waste Management Branch, 111 W. Jackson, Chicago, Illinois, from 8:30 a.m. to 4:30 p.m. Monday through Friday. These materials also may be seen at the Wyoming Library, 3350 Michael, S.W., Wyoming, Michigan during regular business hours.

Public comments concerning this application are requested by USEPA, and will be accepted through May 19, 1982. Please send comments to:

U.S. Environmental Protection Agency
Region V
RCRA Activities
P.O. Box A3587
Chicago, Illinois 60690

TOTAL LINE RATES
AND OTHER RATES

LESS DISCOUNT AT
%

BALANCE DUE \$62.64

VERIFIED (Initials)

AFFIDAVIT

advertising order, with specifications and copy, which has been completed.

DATE

FOR AGENCY USE ONLY

DATE PUBLISHED

above appeared in the named publication and that this account is correct and eligible for

DATE

DATE

ATING CLASSIFICATION

PAID BY CHECK NUMBER

Estimate: \$90.00
\$75.00

2A3X05A000

6820200

PUBLIC NOTICE

The U.S. Environmental Protection Agency (USEPA) has received a request from Rozema Industrial Waste, Inc., Hudsonville, Michigan, for the closure of a hazardous waste treatment facility located at 2900 Peach Ridge, Walker, Michigan, and a hazardous waste treatment facility located at 2650 Thornwood, Wyoming, Michigan. Both closure plans were submitted by the firm on July 14, 1981. The plan for the facility in Walker, Mich. proposes the removal of all metal hydroxide sludge to powder from which metals could be reclaimed. The plan for the facility in Wyoming, Michigan, proposes the removal of all electroplating wastewater treatment sludges from tanks, clarifiers, and filters associated with a 116,000-gallon capacity storage tank and 25,000 gallon-per-day treatment tanks that were used for the filtration of liquid metal hydroxide sludge.

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U.S. Environmental Protection Agency
Region V
RCRA Activities
P.O. Box A3587
Chicago, Illinois 60690

5A1MM

25 SEP 1981

Mr. Alan J. Howard
Chief, Office of Hazardous Waste Management
Michigan Department of Natural Resources
P.O. Box 30028
Lansing, Michigan 48909

Dear Mr. Howard:

Enclosed are closure plans which have been submitted to the U.S. Environmental Protection Agency from the following facilities:

MID058819822 Ford Motor Company, Michigan
Casting Center, 22000
Gibraltar Road, Flat Rock

✓ MID000647032 Rozema Industrial
Waste, Inc.,
2900 Peachridge, Walker

MIT270010390 Rozema Industrial
Waste, Inc., 2650
Thornwood, Wyoming

Per Task 2, Output 1 of the FY'81 Cooperative Arrangement, please review these closure plans and provide formal recommendations on their completeness and technical adequacy based on applicable standards in 40 CFR Part 265.

Also enclosed are copies of Part A applications received from these facilities. Thank you for your cooperation in this matter.

Sincerely,

Joseph M. Boyle
Implementation Officer
Waste Management Branch

Enclosures (6)

5

JOE POYLE:A.SUTTON:5A1MM:6-7482:9/23/81

Rozema
INDUSTRIAL WASTE, INC.
LIQUID INDUSTRIAL WASTE HAULER

3164 HUDSON STREET

PHONE 531-6490

HUDSONVILLE, MICHIGAN 49426

close plan (192)
copy to J. Boyle
orig. will for file
RECEIVED

JUL 17 1981

WASTE MANAGEMENT BRANCH
EPA, REGION V

July 14, 1981

Regional Administrator
US EPA Region V
230 South Dearborn
Chicago, Illinois 60604

Dear Sir:

The Closure Plan for our TSD facility, EPA ID#MIT000647032 located at 2900 Peach Ridge, Walker, Michigan is enclosed.

This facility was built for the purpose of dehydrating metal hydroxide sludge producing a fine powder. This also reduced the volume of the waste. We were confident that the powder could be sold to someone who could reclaim the metals from it. After approximately one year of searching, we have been unable to find someone who can economically reclaim the metals, or find any other use for the product. Therefore, we have decided to close the facility.

The plant itself has not been run since the initial startup, which was completed in the summer of 1980. We will continue to operate a hazardous waste transportation business from this location, using the same EPA ID number. However, no treatment storage, or disposal activities are planned for this facility.

Sincerely,

Ronald L. Cheyne
Ronald L. Cheyne

Vice President

RLC/re

JUL 20 1981

JUL 20 1981

Rozema
INDUSTRIAL WASTE, INC.
LIQUID INDUSTRIAL WASTE HAULER

3164 HUDSON STREET

PHONE 531-6490

HUDSONVILLE, MICHIGAN 49426

RECEIVED

JUL 17 1981

WASTE MANAGEMENT BRANCH
EPA, REGION V

November 19, 1980

Closure Plan

Rozema Industrial Waste, Inc.

Dryer Plant

2900 Peach Ridge Road

Walker, Michigan 49504

MIT000647032

STEPS NECESSARY TO CLOSE FACILITY

In order to close facility, all sludge in storage tank must be processed. In order to remove all the material, it will be necessary to hand shovel some of the areas that cannot be reached with the backhoe.

All equipment used to handle the waste must also be cleaned. No waste metal hydroxide sludge is to be left at the site after closure is complete. This can be accomplished by scraping off all buildup of waste or by washing down equipment with water. If washing with water becomes necessary, use as little as possible to reduce the volume of material to be disposed of.

PARTIAL OR COMPLETE CLOSURE DATES

It is not anticipated that there will ever be a partial closure of this facility. It is not possible to predict a date for ultimate complete closure. This will depend on the demand for the services rendered by this facility.

MAXIMUM INVENTORY ESTIMATE

The maximum inventory on hand at any one time is 740 Cubic yards of material prior to processing.

A copy of part 265, Subpart G, is attached and must be considered a part of this plan.

HAZARDOUS WASTE MANAGEMENT GUIDE

(1) Keep records of the analyses and evaluations specified in the plan, which satisfies the requirements of § 265.93(d)(3), throughout the active life of the facility, and, for disposal facilities, throughout the post-closure care period as well; and

(2) Annually, until final closure of the facility, submit to the Regional Administrator a report containing the results of his ground-water quality assessment program which includes, but is not limited to, the calculated (or measured) rate of migration of hazardous waste or hazardous waste constituents in the ground-water during the reporting period. This report must be submitted as part of the annual report required under § 265.75.

§§ 265.95-265-109 [Reserved]

Subpart G — Closure and Post-Closure

§ 265.110 Applicability.

Except as § 265.1 provides otherwise:

(a) Sections 265.111-265.115 (which concern closure) apply to the owners and operators of all hazardous waste facilities; and

(b) Sections 265.117-265.120 (which concern post-closure care) apply to the owners and operators of all disposal facilities.

§ 265.111 Closure performance standard.

The owner or operator must close his facility in a manner that: (a) minimizes the need for further maintenance, and (b) controls, minimizes or eliminates, to the extent necessary to protect human health and the environment, post-closure escape of hazardous waste, hazardous waste constituents, leachate, contaminated rainfall, or waste decomposition products to the ground water, or surface waters, or to the atmosphere.

§ 265.112 Closure plan; amendment of plan.

(a) On the effective date of these regulations, the owner or operator must have a written closure plan. He must keep this plan at the facility. This plan must identify the steps necessary to completely close the facility at any point during its intended life and at the end of its intended life. The closure plan must include, at least:

(1) A description of how and when the facility will be partially closed, if applicable, and ultimately closed. The description must identify the maximum extent of the operation which will be unclosed during the life of the facility, and how the requirements of § 265.111 and the applicable closure requirements of §§ 265.197, 265.228,

265.280, 265.310, 265.351, 265.381, and 265.404 will be met;

(2) An estimate of the maximum inventory of wastes in storage or in treatment at any given time during the life of the facility;

(3) A description of the steps needed to decontaminate facility equipment during closure; and

(4) A schedule for final closure which must include, as a minimum, the anticipated date when wastes will no longer be received, the date when completion of final closure is anticipated, and intervening milestone dates which will allow tracking of the progress of closure. (For example, the expected date for completing treatment or disposal of waste inventory must be included, as must the planned date for removing any residual wastes from storage facilities and treatment processes.)

(b) The owner or operator may amend his closure plan at any time during the active life of the facility. (The active life of the facility is that period during which wastes are periodically received.) The owner or operator must amend his plan any time changes in operating plans or facility design affect the closure plan.

(c) The owner or operator must submit his closure plan to the Regional Administrator at least 180 days before the date he expects to begin closure. The Regional Administrator will modify, approve, or disapprove the plan within 90 days of receipt and after providing the owner or operator and the affected public (through a newspaper notice) the opportunity to submit written comments. If an owner or operator plans to begin closure within 180 days after the effective date of these regulations, he must submit the necessary plans on the effective date of these regulations.

§ 265.113 Time allowed for closure.

(a) Within 90 days after receiving the final volume of hazardous wastes, the owner or operator must treat all hazardous wastes in storage or in treatment, or remove them from the site, or dispose of them on-site, in accordance with the approved closure plan.

(b) The owner or operator must complete closure activities in accordance with the approved closure plan and within six months after receiving the final volume of wastes. The Regional Administrator may approve a longer closure period under § 265.112(c) if the owner or operator can demonstrate that: (1) the required or planned closure activities will, of necessity, take him longer than six months to complete, and (2) that he has taken all steps to eliminate any significant threat to human health and the environment from the unclosed but inactive facility.

HAZARDOUS WASTE MANAGEMENT GUIDE

§ 265.114 Disposal or decontamination of equipment.

When closure is completed, all facility equipment and structures must have been properly disposed of, or decontaminated by removing all hazardous waste and residues.

§ 265.115 Certification of closure.

When closure is completed, the owner or operator must submit to the Regional Administrator certification both by the owner or operator and by an independent registered professional engineer that the facility has been closed in accordance with the specifications in the approved closure plan.

§ 265.116 [Reserved]**§ 265.117 Post-closure care and use of property; period of care.**

(a) Post-closure care must consist of at least:

(1) Ground-water monitoring and reporting in accordance with the requirements of Subpart F; and

(2) Maintenance of monitoring and waste containment systems as specified in §§ 265.91, 265.223, 265.228, 265.280, and 265.310, where applicable.

(b) The Regional Administrator may require maintenance of any or all of the security requirements of § 265.14 during the post-closure period, when:

(1) Wastes may remain exposed after completion of closure; or

(2) Short term, incidental access by the public or domestic livestock may pose a hazard to human health.

(c) Post-closure use of property on or in which hazardous waste remains after closure must never be allowed to disturb the integrity of the final cover, liner(s), or any other components of any containment system, or the function of the facility's monitoring systems, unless the owner or operator can demonstrate to the Regional Administrator, either in the post-closure plan or by petition, that the disturbance:

(1) Is necessary to the proposed use of the property, and will not increase the potential hazard to human health or the environment; or

(2) Is necessary to reduce a threat to human health or the environment.

(d) The owner or operator of a disposal facility must provide post-closure care in accordance with the approved post-closure plan for at least 30 years after the date of completing closure. *However*, the owner or operator may petition the Regional Administrator to allow some or all of

the requirements for post-closure care to be discontinued or altered before the end of the 30-year period. The petition must include evidence demonstrating the secure nature of the facility that makes continuing the specified post-closure requirement(s) unnecessary - e.g., no detected leaks and none likely to occur, characteristics of the waste, application of advanced technology, or alternative disposal, treatment, or re-use techniques. Alternately, the Regional Administrator may require the owner or operator to continue one or more of the post closure care and maintenance requirements contained in the facility's post-closure plan for a specified period of time. The Regional Administrator may do this if he finds there has been noncompliance with any applicable standards or requirements, or that such continuation is necessary to protect human health or the environment. At the end of the specified period of time, the Regional Administrator will determine whether to continue or terminate post-closure care and maintenance at the facility. Anyone (a member of the public as well as the owner or operator) may petition the Regional Administrator for an extension or reduction of the post-closure care period based on cause. These petitions will be considered by the Regional Administrator at the time the post-closure plan is submitted and at five-year intervals after the completion of closure.

§ 265.118 Post-closure plan; amendment of plan.

(a) On the effective date of these regulations, the owner or operator of a disposal facility must have a written post-closure plan. He must keep this plan at the facility. This plan must identify the activities which will be carried on after final closure and the frequency of those activities. The post-closure plan must include at least:

(1) Ground-water monitoring activities and frequencies as specified in Subpart F for the post-closure period; and

(2) Maintenance activities and frequencies to ensure: (1) the integrity of the cap and final cover or other containment structures as specified in §§ 265.223, 265.228, 265.280, and 265.310, where applicable, and (2) the function of the facility's monitoring equipment as specified in § 265.91.

(b) The owner or operator may amend his post-closure plan at any time during the active life of the disposal facility or during the post-closure care period. The owner or operator must amend his plan any time changes in operating plans or facilities design affect his post-closure plan.

HAZARDOUS WASTE MANAGEMENT GUIDE

(c) The owner or operator of a disposal facility must submit his post-closure plan to the Regional Administrator at least 180 days before the date he expects to begin closure. The Regional Administrator will modify or approve the plan within 90 days of receipt and after providing the owner or operator and the affected public (through a newspaper notice) the opportunity to submit written comments. The plan may be modified to include security equipment maintenance under § 265.117(b). If an owner or operator of a disposal facility plans to begin closure within 180 days after the effective date of these regulations, he must submit the necessary plans on the effective date of these regulations. Any amendments to the plan under paragraph (b) of this Section which occur after approval of the plan must also be approved by the Regional Administrator before they may be implemented.

§ 265.119 Notice to local land authority.

Within 90 days after closure is completed, the owner or operator of a disposal facility must submit to the local land authority and to the Regional Administrator a survey plat indicating the location and dimensions of landfill cells or other disposal areas with respect to permanently surveyed benchmarks. This plat must be prepared and certified by a professional land surveyor. The plat filed with the local land authority must contain a note, prominently displayed, which states the owner's or operator's obligation to restrict disturbance of the site as specified in § 265.117(c). In addition, the owner or operator must submit to the Regional Administrator and to the local land authority a record of the type, location, and quantity of hazardous wastes disposed of within each cell or area of the facility. For wastes disposed of before these regulations were promulgated, the owner or operator must identify the type, location, and quantity of the wastes to the best of his knowledge and in accordance with any records he has kept.

§ 265.120 Notice in deed to property.

The owner of the property on which a disposal facility is located must record, in accordance with State law, a notation on the deed to the facility property - or on some other instrument which is normally examined during title search - that will in perpetuity notify any potential purchaser of the property that: (1) the land has been used to manage hazardous waste, and (2) its use is restricted under § 265.117(c).

§§ 265.121-265.139 [Reserved]

Subpart H — Financial Requirements

§ 265.140 Applicability.

(a) Section 265.142 applies to owners and operators of all hazardous waste facilities, except as this Section or § 265.1 provide otherwise.

(b) Section 265.144 applies only to owners and operators of disposal facilities.

(c) States and the Federal government are exempt from the requirements of this Subpart.

§ 265.141 [Reserved]**§ 265.142 Cost estimate for facility closure.**

(a) On the effective date of these regulations, each facility owner or operator must have a written estimate of the cost of closing the facility in accordance with the requirements in §§ 265.111-265.115 and applicable closure requirements in §§ 265.197, 265.228, 265.280, 265.310, 265.351, 265.381, and 265.404. The owner or operator must keep this estimate, and all subsequent estimates required in this Section, at the facility. The estimate must equal the cost of closure at the point in the facility's operating life when the extent and manner of its operation would make closure the most expensive, as indicated by its closure plan (see § 265.112(a)).

[Comment: For example, the closure cost estimate for a particular landfill may be for the cost of closure when its active disposal operations extend over 20 acres, if at all other times these operations extend over less than 20 acres. The estimate would not include costs of partial closures that the closure plan schedules before or after the time of maximum closure cost.]

(b) The owner or operator must prepare a new closure cost estimate whenever a change in the closure plan affects the cost of closure.

(c) On each anniversary of the effective date of these regulations, the owner or operator must adjust the latest closure cost estimate using an inflation factor derived from the annual Implicit Price Deflator for Gross National Product as published by the U.S. Department of Commerce in its *Survey of Current Business*. The inflation factor must be calculated by dividing the latest published annual Deflator by the Deflator for the previous year. The result is the inflation factor. The adjusted closure cost estimate must equal the latest closure cost estimate (see paragraph (b) of this Section) times the inflation factor.

[Comment: The following is a sample calculation of the adjusted closure cost estimate: Assume that the latest closure cost estimate for a facility is \$50,000, the latest published annual Deflator is

Rozema
INDUSTRIAL WASTE, INC.
LIQUID INDUSTRIAL WASTE HAULER

3164 HUDSON STREET

(616) PHONE ~~537-5496~~

HUDSONVILLE, MICHIGAN 49426
453-3600

June 24, 1981

US EPA
Region V
Compliance Enforcement Section
230 South Dearborn
Chicago, Illinois 60604

Attention: John Moran

Dear Sir:

The following answers are in response to our phone conversation on May 26, 1981. Questions raised in that conversation concerned the EPA inspection of our facility located at 2900 Peach Ridge Rd., Walker, Michigan. The EPA Identification Number for that Facility is MIT000647032.

We do not have 24 hour surveillance at this facility because it is exempted per 265.14(a) 1 & 2. However, we do have partial fence barrier and natural barriers. In addition, Danger signs have been posted warning unauthorized personnel to keep out.

Facility Inspection records have been revised to include records of operator errors and discharges, wether or not any have occured.

Personnel Training was completed by May 19, 1981.

Emergency Equipment, such as automatic shutdown devices, was not inspected by DNR inspectors because the plant was not in operation at the time. The plant has not been operated since that time. However, provisions have been made for a complete inspection of all safety devices and equipment prior to startup of the plant.

A Closure Plan, cost estimate, and Post Closure Plan were completed by May 19, 1981.

Rozema
INDUSTRIAL WASTE, INC.
LIQUID INDUSTRIAL WASTE HAULER

3164 HUDSON STREET

(616)

PHONE ~~531-5490~~

HUDSONVILLE, MICHIGAN 49426

453-3600

In December 1980, we sent copies of our Contingency Plan to local Police and Fire Departments. This was deemed adequate for the type of waste handled at the facility and the potential need for services of these organizations per 265.37(a).

If there are any questions, please contact me.

Sincerely,

Ronald L. Cheyne
Ronald L. Cheyne

Vice President

RLC/re

RECEIVED
JUN 25 1991
ENFORCEMENT DIVISION
EPA-REGION V

Rozema
INDUSTRIAL WASTE, INC.
LIQUID INDUSTRIAL WASTE HAULER

3164 HUDSON STREET

HUDSONVILLE, MICHIGAN 49426

PHONE 616 - 453-3600

January 13, 1983

United States Environmental Protection Agency
Region V
William H. Miner, Chief
Technical, Permits, and Compliance Section
230 South Dearborn Street
Chicago, IL 60604

Dear Sir:

I have received your letter of December 28, 1982, concerning proof of financial assurance for closure of our facility located at 2900 Peachridge, Walker, Michigan. The ID number for that facility is MID 000647032. This letter is to inform you that this facility is no longer in operation. It was closed in 1981, at which time your Agency was notified of that fact.

I do not believe that a facility that is closed and no longer involved in handling hazardous wastes is required to have proof of financial assurance.

Sincerely,

Ronald L. Cheyne
Ronald L. Cheyne

Vice President

RECEIVED

JAN 18 1983

WASTE MANAGEMENT BRANCH
EPA. REGION V

036

RCRA INSPECTION REPORT - INTERIM STATUS STANDARDS
TREATMENT, STORAGE, AND DISPOSAL FACILITIES
Form 1 - General Facility Standards
122.7(i)

I. General Information:
(265.74)

(A) Facility Name: Rozema Industrial Waste Inc.
(B) Street: 2900 Peachridge
(C) City: Walker (D) State: Michigan (E) Zip Code: 49426
(F) Phone: 616-453-3600 (G) County: Kent
(IF NO ANSWER CALL 616-531-6490)
(H) Operator: Rozema Industrial Waste Inc.
(I) Street: 3164 Hudson
(J) City: Hudsonville (K) State: Michigan (L) Zip Code: 49426
(M) Phone: 616-531-6490 (N) County: Ottawa
(O) Owner: Rozema Industrial Waste Inc.
(P) Street: 3164 Hudson
(Q) City: Hudsonville (R) State: Michigan (S) Zip Code: 49426
(T) Phone: 616-531-6490 (U) County: Ottawa
(V) Type of Ownership: ☐ Federal ☐ Municipal ☒ Private
☐ State ☐ County
(W) Date of Inspection: 03-10-81 (Q) Time of Inspection (From) 2:15pm (To) _____
(X) Weather Conditions: Cloudy & 33°F + No Snow on ground

(Y) Person(s) Interviewed

Title

Telephone

Ronald Cheyne
- DAVID GARDNER

Vice-President
SALES MANAGER

616-551-6490
11

(Z) Inspection Participants

Title

Telephone

Raj Gray
Brian Monroe

DNR-Air Quality
INVESTIGATOR
DNR-WATER QUALITY
SPEC. IIB

616-456-6234
517-373-2794

II. Description of Site Activity

- (A) ☒ Generator (Form 2) (B) ☐ Transporter (Form 3)
- (C) ☒ Chemical, Physical and Biological Treatment (Form 4) (D) ☒ Storage (Form 5)
- (E) ☐ Landfill (Form 6) (F) ☐ Incineration (Form 7)
- (G) ☐ Land Treatment (Form 4) (H) ☒ Thermal Treatment (Form 7)

(I) Comments:

Supplemental forms (Listed in Parathesis) must be completed for each activity inspected. Attach all Supplemental forms to this report.

Yes

No

Not
Inspected

See Remark
Number

(J) Has this facility
Submitted a Part A
Permit Application?

122.4

Yes

No

Not
InspectedSee Remark
Number

(A) Has the Regional Administrator been notified regarding:

1. Receipt of hazardous waste from a foreign source?
265.12(a)
2. Transfer of Ownership?
265.12(b)

1 (N/A)III A (14)1 (N/A)III A (14)

(3) General Waste Analysis:

1. Has the owner ^{or} operator obtained a detailed chemical and physical analysis of the waste?
265.13(a)
2. Does the owner ^{or} operator have a detailed waste analysis plan on file at the facility?
265.13(b)
3. Does the waste analysis plan specify procedures for inspection and analysis of each movement of hazardous waste from off-site?
265.13(c)

XXX(C) Security - Do security measures include:
265.14

1. 24-Hour Surveillance?
265.14(b)1
2. Artificial or Natural Barrier Around Facility?
265.14(b)2
3. Controlled Entry?
265.14(b)2ii
4. Danger Sign(s) at Entrance? 265.14(c)

XXXXIII C 2III C 2-3(D) Do Owner ^{or} Operator Inspections Include:
265.15

1. Records of Malfunctions?
265.15(a)1
2. Records of Operator Error?
265.15(a)1
3. Records of Discharges?
265.15(a)1
4. Inspection Schedule?
265.15(a)4
5. Safety, Emergency Equipment?
265.15(b)1
6. Security Devices?
265.15(b)1
7. Operating and Structural Devices?
265.15(b)1
8. Inspection Log?
265.15(d)

N/AN/AN/AXXXXXXIII (D) 1-III (D) 1-III (D) 1-

Yes

No

Inspected

See Remark
Number

(E) Do Personnel Training Records

Include:

265.16(d)

1. Job Titles? X

2. Description of Training? X

3. Records of Training? X

Is Personnel Training Completed
within the Required Time Frame? N/A

TIME HAS
NOT ARRIVED

III(E) 3

(F) Are the Following
Special Requirements for
Ignitable, Reactive, or
Incompatible Wastes Addressed?

265.17

1. Special Handling? N/A

2. No Smoking Signs? N/A

3. Separation and
Confinement? N/A

IV. PREPAREDNESS AND PREVENTION - 265 Subpart C

(A) Maintenance and Operation
of Facility:

1. Is there any evidence of fire,
Explosion, or release of
hazardous waste or hazardous
waste constituent? X

265.31

(B) Does the Facility have
the Following Equipment:

265.32

1. Alarm System? X

265.32(a)

2. Telephone or 2-Way Radios? X

265.32(b)

3. Portable fire extinguishers,
fire control, spill control
equipment and decontamination
equipment? X

265.32(c)

Indicate the volume of water and/or foam available for fire control;

265.32(d)

Units: garden hose and ~~city water system~~ private well

	Yes	No	Not Inspected	See Remark Number
(C) Testing and Maintenance of Emergency Equipment: 265.33 Recordkeeping required under 265.15(b)1				
1. Has the Owner or Operator established Testing and Maintenance Procedures for Emergency Equipment?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
2. Is Emergency Equipment Maintained in Operable Conditions?	<u> </u>	<u> </u>	<u>X</u>	<u>IV c(2)</u>
(D) Has Owner ^{or} Operator Provided Immediate Access to Internal Alarms (if needed)? 265.34	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
(E) Is there Adequate Aisle Space for Unobstructed Movement? 265.35	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
(F) Are Arrangements with Local Authorities Included in the Operating Record? 265.37	<u> </u>	<u>X</u>	<u> </u>	<u>IV F</u>

V . CONTINGENCY PLAN AND EMERGENCY PROCEDURES - 265 Subpart D

(A) Does the Contingency Plan Contain the Following Information:

1. The actions facility personnel must take to comply with §264.51 and 265.56 in response to fires, explosions, or any unplanned release of hazardous waste? (If the owner has a Spill Prevention, Control, and Counter-measures (SPCC) Plan, he needs only to amend that plan to incorporate hazardous waste management provisions that are sufficient to comply with the requirements of this Part.)

X

2. Arrangements agreed to by Local police departments, fire departments hospitals, contractors, and State and local emergency response teams to coordinate emergency services pursuant to §265.37?

X

See IV F
Also II(A) 2

Yes

No

Not
InspectedSee Remark
Number

3. Names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinators?

265.52(d)

4. A list of all emergency equipment at the facility which includes the location and physical description of each item on the list and a brief outline of its capabilities?

265.52(e)

5. An evacuation plan for facility personnel where there is a possibility that evacuation could be necessary?

(This plan must describe signal(s) to be used to begin evacuation, evacuation routes, and alternate evacuation routes:)

265.52(f)

- (B) Are copies of Contingency Plan Available at Site and local Emergency Organizations?

265.53

- (C) Emergency Coordinator

265.55

1. Is the facility Emergency Coordinator identified?

2. Is Coordinator Familiar with all aspects of site operation and emergency procedures?

3. Does the Emergency Coordinator have the authority to carry out the Contingency Plan?

- (D) Emergency Procedures

If an Emergency Situation has occurred at this facility; has the Emergency Coordinator followed the Emergency procedures listed in 256.56?

VI . MANIFEST SYSTEM, RECORDKEEPING, AND REPORTING -265 Subpart E

Yes

No

Not
Inspected

See Remark
Number

(A) Use of Manifest System

1. Does the facility follow the procedures listed in §265.71 for processing each Manifest?

X

2. Are records of past shipments retained for 3 years?
265.71(5)

X

(B) Does the owner or operator meet requirements regarding Manifest Discrepancies?
265.72

N/A

VD

(C) Operating Record

Does the facility maintain an operating record at the site as required in §265.73?

X

(D) Availability, Retention and Disposition of Records

Are all records available at the site for inspection as required in §265.74?

X

VII . CLOSURE AND POST CLOSURE - 265 Subpart G and H

(A) Closure and Post Closure

1. Closure Plan Available for Inspection by May 19, 1981?
265.112(a)

X

2. Has this plan been submitted to the Regional Administrator?
265.112(c)

N/A

AT THIS TIME

3. Has Closure begun?
265.112(c)

X

4. Is closure cost estimate available by May 19, 1981?
265.142

X DATE HAS NOT ARRIVED

(B) Post Closure Care and Use of Property
- Has the Owner or Operator supplied a Post Closure Monitoring Plan (by May 19, 1981)?

X

DATE HAS NOT ARRIVED

265.117

VII B

RCRA INSPECTION REPORT - INTERIM STATUS STANDARDS
Form 2 - Generator Inspection
262

I. General Information:

(A) Installation Name: Rozema Industrial Waste Inc.
(B) Street: 2900 Peachridge
(C) City: Walker (D) State: Michigan (E) Zip Code: 49426
(F) Phone: 616-453-3600 (G) County: Kent

(H) Operator: Rozema Industrial Waste, Inc.
(I) Street: 3164 HUDSON ST.
(J) City: Hudsonville (K) State: Mich. (L) Zip Code: 49424
(M) Phone: 616-531-6490 (N) County: OTTAWA

(O) Owner: Rozema Industrial Waste, Inc.
(P) Street: 3164 HUDSON ST.
(Q) City: Hudsonville (R) State: Mich. (S) Zip Code: 49424
(T) Phone: 616-531-6490 (U) County: OTTAWA

(V) Type of Ownership: ☐ Federal ☐ Municipal ☒ Private
☐ State ☐ County

(W) Date of Inspection: 3-10-81 Time of Inspection (From) 2:15 (To) _____

(X) Weather Conditions: Cloudy & 33°F No snow on ground.

(Y) Person(s) Interviewed

Ron Cheyne

DAVID GARDNER

Title

Vice President

SALES MANAGER

Telephone

616-531-6490

"

(Z) Inspection Participants

RAY GRAY

BRIAN MONROE

Title

DNR - AIR INVESTIGATOR

DNR - WATER QUALITY SPECIALIST

Telephone

616-456-6234

517-373-2794

II. OTHER TYPE OF HAZARDOUS WASTE ACTIVITY

(A) ☒ Transporter (Form 3)

(B) ☒ Chemical, Physical and Biological Treatment (Form 4)

(C) ☒ Storage (Form 5)

(D) ☐ Landfill (Form 6)

(E) ☒ Incineration (Form 7)

(F) ☒ Thermal Treatment (Form 7)

(G) Comments: * Thermal Treatment (Drying Rotary Device)
changes dewatered metallic hydroxide sludge to dry, fine
powder

Supplemental forms (Listed in Parathesis) must be completed for each activity inspected. Attach all Supplemental forms to this report.

III. MANIFEST

	Yes	No	Not Inspected	See Remark Number
(A) Are copies of the Manifest available? 262.23(a)3	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
(B) Does the Manifest contain the following information:				
1. Manifest document number? 262.21(a)1	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
2. Name, mailing address, telephone number, and EPA ID Number of Generator? 262.21(a)2	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
3. Name and EPA ID Number of Transporter(s)? 262.21(a)3	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
4. Name, Address, and EPA ID Number of Designated permitted facility and alternate facility? 262.21(a)4	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
5. The description of the waste(s) (DOT shipping name, DOT hazard class, DOT identification number)? 262.21(a)5 DOT information in CFR 49 172.101, 172.202 and 172.203	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
6. The total quantity of waste(s) and the type and number of containers loaded? 262.21(a)6	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
7. Required Certification? 262.21(b)	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
8. Required Signatures? 262.23(a)1	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
(C) Does the Owner or Operator Submit Exception Reports when Needed? 262.42	<u>N/A</u>	<u> </u>	<u> </u>	<u>III c</u>

IV. PRE-TRANSPORT REQUIREMENTS - 262 Subpart C

(A) Is Generator Packaging waste in accordance with DOT Regulations? 262.30 49 CFR Parts 173.178 and 179	<u>X</u>	<u>N/A</u>	<u> </u>	<u> </u>
(B) Are waste packages marked and labeled in accordance with DOT Regulations concerning hazardous waste materials? 262.31 49 CFR Part 172	<u>X</u>	<u>N/A</u>	<u> </u>	<u> </u>
If required, are placards available to transporter? 262.33 49 CFR Part 172 Subpart F	<u>X</u>	<u> </u>	<u> </u>	<u> </u>

Yes

No

Not
InspectedSee Remark
Number

(b) Pre-shipment Accumulation:

- | | | | | |
|--|-------|-------|-------|-----------------------|
| 1. Are containers marked with start of accumulation date?
262.34(a)3 | _____ | N/A | _____ | _____ |
| 2. Are the containers of hazardous waste removed from installation before they can accumulate for more than 90 days?
262.34(a)1 If no, the facility must be storage or disposal facility 262.34(b) | _____ | N/A | _____ | _____ |
| 3. Are wastes stored in containers managed in accordance with 40 CFR Part 265.174 and 265.176 (weekly inspections of containers, containers holding ignitable or reactive wastes located at least 15 meters (50 Feet) from facility's property line? | _____ | N/A | _____ | _____ |
| 4. Are wastes stored in tanks managed according to the following: | | | | |
| a. Are tanks used to store only those wastes which will not cause corrosion leakage or premature failure of the tank?
265.192(b) | X | _____ | _____ | IV D 4 (b) |
| b. Do uncovered tanks have at least 60 cm (2 feet) of freeboard, or dikes or other containment structures?
265.192(c) | X | _____ | _____ | IV D 4 (b) |
| c. Do continuous feed systems have a waste-feed cutoff?
265.192(d) | X | _____ | _____ | _____ |
| d. Are required daily and weekly inspections done?
265.194 | X | _____ | _____ | IV D 4 (d) |
| e. Are reactive & ignitable wastes in tanks protected or rendered non-reactive or non-ignitable? (If waste is rendered non-reactive or non-ignitable, see treatment requirements?
265.198, 265.17 | _____ | N/A | _____ | _____ |
| f. Are incompatible wastes stored in separate tanks? (If not, the provisions of 40 CFR §265.17(b) apply)
265.199 | _____ | N/A | _____ | _____ |

If generator is also a TSD, omit section V

	Yes	No	Not Inspected	See Remark Number
A. Do Personnel training records include: 265.16				
1. Job Titles? 265.16(d)1	<u>X</u>			
2. Description of Training? 265.16(d)3	<u>X</u>			
3. Records of Training? 265.16(d)4		<u>X</u>		<u>IA 3</u>
Is Personnel Training Completed within the Required Time Frame?	<u>N/A time has not arrived</u>			
B. Preparedness and Prevention 265 Subpart C				
1. Maintenance and Operation of Facility:				
a. Is there any evidence of fire, explosion, or release of hazardous waste or hazardous waste constituent? 265.31		<u>X</u>		
2. Does the Facility have the following equipment?				
a. Alarm system? 265.32(a)	<u>X</u>			
b. Telephone or 2-Way Radios? 265.32(b)	<u>X</u>			
c. Portable fire extinguishers, fire control, spill control equipment and decontamination equipment? 265.32(c)	<u>X</u>			
Indicate the volume of water and/or foam available for fire control 265.32(d)				
Units:	<u>garden house with private well</u>			
	<u>waste not flammable.</u>			
3. Testing and Maintenance of Emergency Equipment:				
a. Has the Owner or Operator established testing and Maintenance Procedures for Emergency Equipment? 265.33	<u>X</u>			
b. Is emergency equipment Maintained in Operable Condition? 265.33			<u>X</u>	<u>IVB) 3(1)</u>

Yes

No

Not
InspectedSee Remark
Number

4. Has Owner/Operator Provided
- Immediate Access to Internal
Alarms (if needed)?
265.34(a)

X

5. Is there adequate Aisle Space
for unobstructed Movement?
265.35

X

6. Are arrangements with local
authorities included in the
operating record?
265.37

f

See Form I

IV F

(C) Contingency Plan and Emergency
Procedure

1. Does the contingency plan
contain the following:

a. The actions facility personnel
must take to comply with §264.51
and 261.56 in response to fires,
explosions, or any unplanned
release of hazardous waste? (If the
owner has a Spill Prevention, Control
and Countermeasures (SPCC) Plan, he needs
only to amend that plan to incorporate
hazardous waste management provisions
that are sufficient to comply with
the requirements of this Part)

X

b. Arrangements agreed to by local
police departments, fire departments,
hospitals, contractors, and State and
local emergency response teams to
coordinate emergency services, pursuant
to §265.37?

X

See Form
IV F

c. Names, addresses, and Phone
numbers (office and Home) of all
persons qualified to act as emergency
coordinator.
265.52(d)

X

d. A list of all emergency
equipment at the facility which include
the location and physical description
of each item on the list, and a brief
outline of its capabilities?
265.52(e)

X

e. An evacuation plan for facility
personnel where there is a possibility
that evacuation could be necessary?
(This plan must describe signal(s)
to be used to begin evacuation,
evacuation routes and alternate
evacuation routes.
265.52(f)

N/A

	Yes	No	Not Inspected	See Remark Number
2. Are copies of the Contingency Plan available at site and local Emergency Organizations? 265.53	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
3. Emergency Coordinator 265.55				
a. Is the Facility Emergency Coordinator Identified?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
b. Is Coordinator Familiar with all aspects of site operation and Emergency Procedures?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
c. Does the Emergency Coordinator have the authority to carry out the Contingency Plan?	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
4. Emergency Procedures				
If an Emergency Situation has occurred at this facility; has the Emergency Coordinator followed the Emergency Procedures listed in §256.56?	<u>N/A</u>	<u> </u>	<u> </u>	<u>Form I V D</u>

VI. RECORDKEEPING

- (A) Are Manifests, Annual Reports, Exception Reports, and All Test Results and Analyses Retained for at least three years?
265.71(a)5

<u>X</u>	<u> </u>	<u> </u>	<u> </u>
----------	---------------	---------------	---------------

VII. INTERNATIONAL SHIPMENTS

- (A) Has the Installation Imported or Exported Hazardous Waste?
262.50

<u>N/A</u>	<u> </u>	<u> </u>	<u>Form I III A (192)</u>
------------	---------------	---------------	-------------------------------

(If A was answered Yes, then complete one or both of the following)

1. Exporting Hazardous waste, has a generator:
- Notified the Administrator in writing?
262.50(b)1
 - Obtained the Signature of the foreign consignee confirming delivery of the waste(s) in the foreign country?

<u> </u>	<u>N/A</u>	<u> </u>	<u> </u>
<u> </u>	<u>N/A</u>	<u> </u>	<u> </u>

Yes

No

Not
InspectedSee Remark
Number

- c. Met the Manifest requirements? N/A
- 262.50(b)3
2. Importing Hazardous Waste,
has the generator: N/A
- 262.50(d)
- a. Met the manifest requirements? _____

VIII. PREPARER INFORMATIONName: BRIAN MonROBTitle: WATER QUALITY SPECIALIST VLBPhone Number: 517-373-2794REMARKS: See attached

RCRA INSPECTION REPORT - INTERIM STATUS STANDARDS
Form 3 - Transporter Inspection
(263)

I. General Information:

(A) Transporter Name: _____

(B) Street: _____

(C) City: _____ (D) State: _____ (E) Zip Code: _____

(F) Phone: _____ (G) County: _____

(H) Operator: _____

(I) Street: _____

(J) City: _____ (K) State: _____ (L) Zip Code: _____

(M) Phone: _____ (N) County: _____

(O) Owner: _____

(P) Street: _____

(Q) City: _____ (R) State: _____ (S) Zip Code: _____

(T) Phone: _____ (U) County: _____

(V) Type of Ownership: _____ Federal _____ Municipal _____ Private
_____ State _____ County

(W) Date of Inspection: _____ Time of Inspection (From) _____ (To) _____

(X) Weather Conditions: _____

(Y) Person(s) Interviewed

Title

Telephone

(Z) Inspection Participants

Title

Telephone

II. OTHER TYPE OF HAZARDOUS WASTE ACTIVITY

(A) _____ Generator (Form 2)

(B) _____ Chemical, Physical and
Biological Treatment (Form 4)

(C) _____ Storage (Form 5)

(D) _____ Landfill (Form 6)

(E) _____ Incineration (Form 7)

(F) _____ Thermal Treatment (Form 7)

(G) Comments: _____

Supplemental forms (Listed in Parathesis) must be completed for each activity inspected. Attach all Supplemental forms to this report.

III. RECORDKEEPING

Yes

No

Not
Inspected

See Remark
Number

(A) Are Copies of the Completed
Manifest(s) or Shipping Paper(s)
Available for Review and
Retained for Three Years?

263.22(a)

IV. INTERNATIONAL SHIPMENTS

	Yes	No	Not Inspected	See Remark Number
A. Does the Transporter Record on the Manifest the Date the Waste left U.S.? 263.20(f)1	_____	_____	_____	_____
B. Are Completed Manifest(s) on File? <u>SIGNED</u> 263.22(a) and 263.20(f)2	_____	_____	_____	_____

V. MISCELLANEOUS

- A. Does Transporter Transport Hazardous Waste Into the U.S. from Abroad?
263.10(c)1
- B. Does the Transporter Mix Hazardous Waste of Different DOT Shipping Descriptions by Placing them into a Single Container?
263.10(c)2

NOTE: If (A) or (B) were answered "Yes" then the Transporter is also a Generator and Must comply with the Generator Regulations.
263.10(c)

VI. PREPARER INFORMATION

A. Name: _____

Title: _____

Phone No.: _____

Remarks: _____

RCRA INSPECTION REPORT - INTERIM STATUS STANDARDS
TREATMENT, STORAGE, AND DISPOSAL FACILITIES
Form 4 - Chemical, Physical and Biological Treatment/Land Treatment
265 - Subpart Q

I. General Information

(A) Facility Name: Rozema Industrial Waste Inc
(B) Street: 2900 Peachridge
(C) City: Walker (D) State: Michigan (E) Zip Code 49426
(F) Phone: 616-453-3600 (G) County: Kent

II. Chemical, Physical and Biological
Treatment (Subpart Q)
265

	Yes	No	Not Inspected	See Remark Number
1. Is equipment used to treat only those wastes which will not cause leakage, corrosion, or premature failure? 265.401(b)	<u>7</u>			
2. Is a continuously fed system equipped with a means of hazardous waste inflow stoppage or control (e.g., cut-off system)? 265.401(c)	<u>X</u>			
3. Has the owner or operator addressed the waste analysis requirements of 265.402? and 265.13	<u>X</u>			
4. Are inspection procedures followed according to 265.403?	<u>X</u>			
5. Are the special requirements fulfilled for ignitable or reactive wastes? 265.405	<u>N/A</u>			
6. Are incompatible wastes treated? (If yes, 265.17(b) applies.) 265.406	<u>N/A</u>			

III. Land Treatment (Subpart M) 265

N/A

	Yes	No	Not Inspected	See Remark Number
1. Is hazardous waste capable of biological or chemical degradation? 265.272(a)				
2. Are run-off and run-on diverted from the facility or collected (Effective date: November 19, 1981)? 265.272(b&c)				
3. Is waste analysis according to 265.273? and 265.13				
4. If food chain crops are grown at the facility, has the owner or operator addressed the requirements of 265.276?				
5. Is an unsaturated zone monitoring plan designed and implemented to detect the vertical migration of hazardous waste and provide information on the background concentrations of the hazardous waste available? 265.278(a)				
6. Does the unsaturated zone monitoring plan address the minimum information specified in 265.278(b and c)?				
7. Are records kept regarding application dates and rates, quantities, and location of all hazardous waste placed in the facility? 265.279				
8. Are the special requirements fulfilled regarding land treatment of ignitable or reactive wastes? 265.281				
9. Are incompatible wastes land treated? (If yes, 265.17(b) applies.) 265.282				

RCRA INSPECTION REPORT - INTERIM STATUS STANDARDS
SUPPLEMENTAL FORM 5 FOR STORAGE FACILITY INSPECTIONS

265 - Subparts I, J, K, and L
I. General Information

(A) Facility Name: Rozema Industrial Waste Inc
(B) Street: 2900 Peachridge
(C) City: Walker (D) State: Michigan (E) ZIP Code 49426
(F) Date of Inspection: 03-10-81

II. Storage Facility Standards (Part 265)

A Facilities which store containers of hazardous waste (Subpart I) 265

N/A

	YES	NO	NOT IN-SPECTED	REMARK #
1. Are containers in good condition? 265.171				
2. Are containers compatible with waste in them? 265.172				
3. Are containers stored closed? 265.173(a)				
4. Are containers managed to prevent leaks? 265.173(b)				
5. Are containers inspected weekly for leaks and defects? 265.174				
6. Are ignitable & reactive wastes stored at least 15 meters (50 feet) from the facility property line? 265.176				
7. Are incompatible wastes stored in separate containers? (If not, the provisions of 40 CFR 265.17(b) apply.) 265.177(a)				
8. Are containers of incompatible wastes separated or protected from each other physical barriers or sufficient distance? 265.177(c)				

B. Facilities which store hazardous waste in tanks (Subpart J)

1. Are tanks used to store only those wastes which will not cause corrosion, leakage or premature failure of the tank? 265.192(b)	X			
2. Do uncovered tanks have at least 60 cm (2 feet)				

	YES	NO	NOT INSPECTED	REMARK, #
3. Do continuous feed systems have a waste-feed cutoff? 265.192(d)	X			
4. Are waste analyses done before the tanks are used to store a substantially different waste than before? 265.193(a)	N/A			
5. Are required daily and weekly inspections done? 265.194	X			
6. Are reactive & ignitable wastes in tanks protected or rendered non-reactive or non-ignitable? (If waste is rendered non-reactive or non-ignitable, see treatment requirements.) 265.198	N/A			
7. Are incompatible wastes stored in separate tanks? (If not, the provisions of 40 CFR 265.17(b) apply.) 265.199	N/A			
C. Facilities which store hazardous waste in surface impoundments (Subpart K) 265 N/A				
1. Do surface impoundments have at least 60 cm (2 feet) of freeboard? 265.222				
2. Do earthen dikes have protective cover? 265.223				
3. Are waste analyses done when the impoundment is used to store a substantially different waste than before? 265.225(a)				
4. Is the freeboard level inspected at least daily? 265.226(a)1				
5. Are the dikes inspected weekly for evidence of leaks or deterioration? 265.226(a)2				
6. Are reactive & ignitable wastes rendered non-reactive or non-ignitable before storage in a surface impoundment? (If waste is rendered non-reactive or non-ignitable, see treatment requirements.) 265.299(a)1				
7. Are incompatible wastes stored in different impoundments? (If not, the provisions of 40 CFR 265.17(b) apply.) 265.230				
D. Facilities which store hazardous waste in waste piles (Subpart L) 265 N/A				
1. Are waste piles covered or protected from the wind? 265.251				
2. Is each in-coming movement of waste analyzed before being added to the waste pile? 265.252				
3. Are leachate, run-off, and run-on controlled? (The effective date of this provision is Nov. 19, 1981.) 265.253				
Are reactive & ignitable wastes rendered non-reactive or non-ignitable before storage in a pile? (If waste is rendered non-reactive or non-ignitable, see treatment requirements.) 265.256(a)1				

Continued on next page

	YES	NO	NOT INSPECTED	REMARK #
5. Are piles of reactive or ignitable waste protected? 265.256(a)2				
Are incompatible wastes stored in different piles? (If not, the provisions of 40 CFR 265.17(b) apply.) 265.257(a)				
7. Are piles of incompatible waste protected by barriers or distance from other waste? 265.257(b)				

RCRA INSPECTION REPORT - INTERIM STATUS STANDARDS
FORM 6 - LANDFILL INSPECTIONS

265 - Subpart N

I. General Information

(A) Facility Name: _____
 (B) Street: _____
 (C) City: _____ (D) State: _____ (E) Zip Code _____
 (F) Date of Inspection: _____

II. Landfills

Yes No Not Inspected See Remarks
Number

(A) General Operating Requirements -
Does the facility provide the following:

- *1. Diversion of run-on away from active portions of the fill? 265.302(a) _____
 *2. Collection of run-off from active portions of the fill? 265.302(b) _____
 *3. Is collected run-off treated? 265.302(b) _____
 4. Control of wind disposal of hazardous waste? 265.302(d) _____

(* Effective 11-19-81)

(B) Surveying and Recordkeeping -
Does the Operating Record Include:

1. A map showing the exact location and dimensions of each cell? 265.309(a) _____
 2. The contents of each cell and the location of each hazardous waste type within each cell? 265.309(b) _____

Yes	No	Not Inspected	See Remark Number
-----	----	---------------	-------------------

C. Closure and Post-Closure

1. Is the Closure Plan available for inspection by 5-19-81?
265.112(a)
2. Has this plan been submitted to the Regional Administrator?
265.112(c)
3. Has Closure begun?
265.112(c)
4. Is Closure cost estimate available by 5-19-81?
265.142(a)

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

D. Special requirements for ignitable or reactive waste

Are ignitable or reactive wastes treated so the resulting mixture is no longer ignitable or reactive? 265.312

(If waste is rendered non-reactive or non-ignitable see treatment requirements)

If not, the provisions of 40 CFR 265.17(b) apply.

_____	_____	_____	_____
-------	-------	-------	-------

E. Special requirements for Incompatible Wastes.

Does the owner or operator dispose of incompatible wastes in separate cells?
265.313

If not, the provisions of 40 CFR 265.17(b) apply.

_____	_____	_____	_____
_____	_____	_____	_____

F. Special Requirements for liquid waste (effective 11-19-81)

1. Are bulk or non-containerized liquids placed in the landfill?
265.314(a)
2. Does the landfill have a chemically and physically resistant liner system?
265.314(a)1

_____	_____	_____	_____
_____	_____	_____	_____

	Yes	No	Not Inspected	See Remark Number
3. Does the landfill have a functional leachate collection system? 265.314(a)1	_____	_____	_____	_____
4. Are free liquids stabilized prior to or immediately after placement in the landfill? 265.314(a)2	_____	_____	_____	_____
G. Special requirements for Containers (effective 11-19-81)				
Are empty containers crushed flat, shredded, or similarly reduced in volume before being buried beneath the surface of the landfill? 265.315(a)	_____	_____	_____	_____

11/6/80

- FORM 7

RCRA INSPECTION REPORT-INTERIM STATUS STANDARDS
SUPPLEMENTAL FORM FOR THERMAL TREATMENT (AND INCINERATORS)
265 - Subparts P and O
I. General Information

(A) Facility Name: Rozema Industrial Waste Inc
(B) Street: 2900 Peachridge
(C) City: Walker (D) State: Michigan (E) Zip Code: 49426
(F) Date of Inspection: 03-10-81

II. Determination of Steady State

A. Type of unit (i.e., type of incinerator or thermal treatment): Rotary Dryer

B. Components and steady state condition: I 265.343 Th 265.373

**** Was this component at SS prior to adding waste?

Component	Yes	No	Not Inspected	See Remark #:
1. _____	_____	_____	<u>X</u>	_____
2. _____	_____	_____	<u>X</u>	_____
3. _____	_____	_____	<u>X</u>	_____
4. _____	_____	_____	<u>X</u>	_____
5. _____	_____	_____	<u>X</u>	_____

III. Waste Analysis
265.13

A. Minimum requirements, for wastes not previously burned/treated.

1. Required analyses; has an analysis been performed for the following:	I	TH	Yes	No	Not Inspected	See Remark #:
	265.345	265.375				
a. Heating value			_____	<u>N/A</u>	_____	_____
b. Halogen content			_____	<u>N/A</u>	_____	_____
c. Sulfur content			_____	<u>N/A</u>	_____	_____

2. Documented, written data may be substituted for analysis for these. Are either present for:

a. Lead? I 265.345 Th 265.375

b. Mercury?

Yes No Not Inspected See Remark #:

N/A N/A

B. Other parameters for which the waste is tested to enable owner or operator to establish steady state or determine the types of pollutants which may be emitted. (Note in Remarks any which you feel should be tested for.)

See Remark #:

1. Particulates
2. Copper
3. Nickel
4. Chromium
5. _____

III B (1-4)

IV. Monitoring and Inspections

A. Combustion/emission control instruments monitored at least every 15 minutes?
I 265.347(a)1 Th 265.377(a)1

Yes No Not Insp. See Remark #:
~~Yes~~ X ~~See Remark #:~~

B. Steady state maintained or corrections attempted?
I 265.347(a)1 Th 265.377(a)1

X

C. Stack plume observed at least hourly for normal color and opacity?
I 265.347(a)2 Th 265.377(a)2

X

D. Did any stack observations made by owner or operator show a plume different than normal?*

N/A

E. If yes to D above, were corrections made to return emissions to normal appearance?*

X

F. Complete unit and associated equipment inspected daily for leaks, spills, and fugitive emissions?
I 265.347(a)3 Th 265.377(a)3

X

G. Emergency shutdown controls, system alarms checked daily for proper operation?
I 265.347(a)3 Th 265.377(a)3

X

* Specify in Remarks for what period of time this was checked.

V. Open Burning

N/A

Only complete this part if the facility open burns hazardous waste.

- | | Yes | No | Not Inspected | See Remark #: |
|---|-------|-------|---------------|---------------|
| 1. Does this facility burn <u>only</u> waste explosives?
(A <u>No</u> answer means <u>other</u> hazardous waste is open-burned.) 265.382 | _____ | _____ | _____ | _____ |
| 2. If this facility open-burns waste explosive, does it burn the waste at a distance greater than or equal to the minimum specified distance (below)? 265.382 | _____ | _____ | _____ | _____ |

Inspector(s):

Brian Mann 3-10-81
Ray Gray 3-10-81

(Sign and Date)

265.382

Pounds of waste explosives or propellants	Minimum distance from open burning or detonation to the property of others	
0 to 100.....	204 m	670 ft
101 to 1,000.....	380 m	1,250 ft
1,001 to 10,000.....	530 m	1,730 ft
10,001 to 30,000.....	690 m	2,260 ft

ROTEMA INDUSTRIAL

2900 PEACHRIDGE, WALKER, MT 49501

FORM I

III(A) 1 & 2 - None indicated verbally by Mr. Cheyne.

III(C) 2-3 - Fence on 3 sides, Walking Access possible on 4th side, However ALL HAZARDOUS WASTE INSIDE LOCKED BUILDING AND STORAGE SILOS WITH PNEUMATIC REMOVAL ONLY POSSIBLE WITH ACCESS TO INSIDE OF LOCKED BUILDING

III(D) 1-3 - None indicated verbally by Mr. Cheyne.

III(E) 3 Company has training program, not complete yet as of this date.

IV(B) 1 - Verbal Communication possible on ALL ACTIVE PORTIONS OF SITE

IV(C) 2 - FACILITY NOT IN OPERATION - cannot check operation system shut-off

IV(F) - Fire and police sent copy of Contingency Plan, no written acknowledgement back from local authorities.

V(A) 2 - NOTIFICATION Procedure incorporated into Contingency Plan to notify fire, police, Michigan Dept of Natural Resources, National Response Center. NO MATERIAL OF WASTE NATURE ON SITE IS FLAMMABLE, REACTIVE OR INCOMPATIBLE.

V D - Operator, Mr. Cheyne indicates none have occurred

VII β - SITE is only processing, no disposal occurs at site.

FORM II

III C - See Comment III(A) 1 & 2 under Form I

IV D(4)(b) - Open tanks are inside building & floor slope tank

IV D 4(d) When facility operates this is done.

Form II

II A 3 - Company has training program, has not been fully implemented to employees yet, not required til May 19, 1971
V(B)3(b) - Site is NOT OPERATIONAL DURING INSPECTION

Form 6

II(B) 1 - 5 - Site not operational at inspection

III(B) 1-4 - Stack test required by Michigan Air Quality Division
- State laws and regulations

~~IV A C 4 E 6 - FACILITY NOT OPERATIONAL AT INSPECTION~~

~~PREVIOUS STATE INSPECTION SHOWED~~

**D. Corrective
Action**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5

77 WEST JACKSON BOULEVARD

CHICAGO, IL 60604-3590

RECEIVED
WMD RCRA
RECORD CENTER
MAY 06 1993
Comp

REPLY TO THE ATTENTION OF:

HRE-8J

April 21, 1993

Mr. Ronald Cheyne
Valley City Refuse Disposal, Inc.
2900 Peachridge Avenue
Walker, Michigan 49504

Re: Visual Site Inspection
Rozema Industrial Waste, Inc.
Walker, Michigan
MID 000 647 032

Dear Mr. Cheyne:

The U.S. Environmental Protection Agency is enclosing a copy of the final Preliminary Assessment/Visual Site Inspection (PA/VSI) report for the referenced facility. The executive summary and conclusions and recommendations sections have been withheld as Enforcement Confidential.

If you have any questions, please call Francene Harris at (312) 886-2884.

Sincerely yours,

Kevin M. Pierard, Chief
Minnesota/Ohio Technical Enforcement Section
RCRA Enforcement Branch



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5

77 WEST JACKSON BOULEVARD

CHICAGO, IL 60604-3590

*Comple.
Rec'd 10/30/92*

REPLY TO THE ATTENTION OF:

HRE-8J

October 16, 1992

Mr. Bill Zeilstra
Kamps Pallets
2900 Peach Ridge
Walker, Michigan 49504

Re: Visual Site Inspection
Former Rozema Industrial Waste, Inc.
Walker, Michigan
ID No. MID 000 647 032

Dear Mr. Zeilstra:

The United States Environmental Protection Agency (U.S. EPA) Region V will conduct a Preliminary Assessment including a Visual Site Inspection (PA/VSI) at the referenced facility. This inspection is conducted pursuant to the Resource Conservation and Recovery Act, as amended (RCRA) Section 3007 and the Comprehensive Environmental Response, Compensation, and Liability Act, as amended (CERCLA) Section 104(e). The referenced facility has generated, treated, stored, or disposed of hazardous waste subject to RCRA. The PA/VSI requires identification and systematic review of all solid waste streams at the facility. The objective of the PA/VSI is to determine whether or not releases of hazardous wastes or hazardous constituents have occurred or are occurring at the facility which may require further investigation. This analysis will also provide information to establish priorities for addressing any confirmed releases.

The visual site inspection of your facility is to verify the location of all solid waste management units (SWMUs) and areas of concern (AOCs) to make a cursory determination of their condition by visual observation. The definitions of SWMUs and AOCs are included in Attachment I. The VSI supplements and updates data gathered during a preliminary file review. During this site inspection, no samples will be taken. A sampling visit to ascertain if releases of hazardous waste or constituents have occurred may be required at a later date.

Assistance of some of your personnel may be required in reviewing solid waste flow(s) or previous disposal practices. The site inspection is to provide a technical understanding of the present and past waste flows and handling, treatment, storage, and disposal practices. Photographs of the facility are necessary to document the condition of the units at the facility and the waste management practices used.

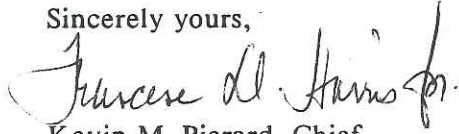
The VSI has been scheduled for October 21 or 22, 1992, to be confirmed on Monday, October 19, 1992. The inspection team will consist of Jean Michaels and Patrick McGowan of PRC Environmental Management, Inc., a contractor for the U.S. EPA. Representatives of the Michigan Department of Natural Resources (MDNR) may also be present. Your cooperation in admitting and assisting them while on site is appreciated.

Mr. Bill Zeilstra
October 16, 1992
Page 2

The U.S. EPA recommends that personnel who are familiar with present and past manufacturing and waste management activities be available during the VSI. Access to any relevant maps, diagrams, hydrogeologic reports, environmental assessment reports, sampling data sheets, environmental permits (air, NPDES), manifests and/or correspondence is also necessary, as such information is needed to complete the PA/VSI.

If you have any questions, please contact me at (312) 886-4448 or Francene Harris at (312) 886-2884. A copy of the Preliminary Assessment/Visual Site Inspection Report, excluding the conclusions and Executive Summary portion will be sent when the report is available.

Sincerely yours,

A handwritten signature in dark ink, appearing to read "Kevin M. Pierard", with a stylized flourish at the end.

Kevin M. Pierard, Chief
OH/MN Technical Enforcement Section

Enclosure

cc: Tim Wright, MDNR



U.S. Environmental Protection Agency

Office of Waste Programs Enforcement

Contract No. 68-W9-0006



TES 9

**Technical Enforcement Support
at Hazardous Waste Sites
Zone III
Regions 5,6, and 7**

PRC

PRC Environmental Management, Inc.

PRC Environmental Management, Inc.
233 North Michigan Avenue
Suite 1621
Chicago, IL 60601
312-856-8700
Fax 312-938-0118



**PRELIMINARY ASSESSMENT/
VISUAL SITE INSPECTION**

**ROZEMA INDUSTRIAL WASTE, INC.
WALKER, MICHIGAN
MID 000 647 032**

FINAL REPORT

Prepared for

**U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Waste Programs Enforcement
Washington, DC 20460**

Work Assignment No.	:	R05032
EPA Region	:	5
Site No.	:	MID 000 647 032
Date Prepared	:	March 9, 1993
Contract No.	:	68-W9-0006
PRC No.	:	309R05032MI42
Prepared by	:	PRC Environmental Management, Inc. (Jean Michaels)
Contractor Project Manager	:	Shin Ahn
Telephone No.	:	(312) 856-8700
EPA Work Assignment Manager	:	Kevin Pierard
Telephone No.	:	(312) 886-4448

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
EXECUTIVE SUMMARY	ES-1
1.0 INTRODUCTION	1
2.0 FACILITY DESCRIPTION	4
2.1 FACILITY LOCATION	4
2.2 FACILITY OPERATIONS	4
2.3 WASTE GENERATION AND MANAGEMENT	6
2.4 HISTORY OF DOCUMENTED RELEASES	7
2.5 REGULATORY HISTORY	12
2.6 ENVIRONMENTAL SETTING	13
2.6.1 Climate	13
2.6.2 Flood Plain and Surface Water	14
2.6.3 Geology and Soils	14
2.6.4 Ground Water	14
2.7 RECEPTORS	15
3.0 SOLID WASTE MANAGEMENT UNITS	17
4.0 AREAS OF CONCERN	19
5.0 CONCLUSIONS AND RECOMMENDATIONS	20
REFERENCES	22

Attachment

- A VISUAL SITE INSPECTION SUMMARY AND PHOTOGRAPHS
- B VISUAL SITE INSPECTION FIELD NOTES

LIST OF TABLES

<u>Table</u>		<u>Page</u>
1	SOLID WASTE MANAGEMENT UNITS	8
2	SOLID WASTES	11
3	SWMU SUMMARY	21

LIST OF FIGURES

<u>Figure</u>		<u>Page</u>
1	FACILITY LOCATION	5
2	ROZEMA FACILITY LAYOUT	9
3	KAMPS FACILITY LAYOUT	10

EXECUTIVE SUMMARY

PRC Environmental Management, Inc. (PRC), performed a preliminary assessment and visual site inspection (PA/VSI) to identify and assess the existence and likelihood of releases from the solid waste management units (SWMU) at the Rozema Industrial Waste, Inc. (Rozema), facility in Walker, Kent County, Michigan. No areas of concern (AOC) were identified during the PA/VSI. This summary highlights the results of the PA/VSI and the potential for releases of hazardous wastes or hazardous constituents from the SWMUs identified.

Currently, Kamps Pallet, Inc. (Kamps) operates the facility, constructing and repairing wooden pallets. The facility occupies eight acres in a mixed-use area and Kamps employs 40 people. Kamps does not generate hazardous waste and is not a regulated facility.

From 1979 to 1982, Rozema operated as a treatment, storage, or disposal (TSD) facility for, and a transporter of, treated metal hydroxide sludge (F006). Rozema employed eight people. In 1979, Rozema purchased the facility property and constructed an office building, a process building, and the concrete Former Waste Transfer Pit (SWMU 1) in the process building. From 1979 to 1981, Rozema accumulated treated metal hydroxide sludge in SWMU 1 before transporting the sludge to a disposal facility. Rozema may have stored hazardous waste in SWMU 1 for greater than 90 days. During the summer of 1980, Rozema initiated startup of the Former Dehydrating Process (SWMU 2). The dehydrating process only operated as a pilot plant, and operation ceased completely after the summer of 1980. In 1981, Rozema completed closure activities that included removing all hazardous wastes from the facility, cleaning and filling SWMU 1, and removing the SWMU 2 equipment. Between 1981 and 1982, Rozema operated as a transporter of hazardous waste. During that time, Rozema used the facility as a parking garage for waste hauling trucks. No hazardous waste was stored on site after closure activities were completed in 1981.

In the spring of 1982, Valley City Refuse Disposal, Inc. (Valley City) purchased the facility property to keep it from being foreclosed on by Rozema's bank. Valley City never operated at the facility. In the fall of 1982, Valley City sold the property to Kamps.

The PA/VSI identified the following two SWMUs and no AOCs at the facility:

Solid Waste Management Units

1. Former Waste Transfer Pit
2. Former Dehydrating Process

RELEASED 1/11/81
DATE _____
RIN # _____
INITIALS *MM*

ENFORCEMENT
CONFIDENTIAL

Rozema closed both SWMUs in 1981. However, PRC found no documentation that Rozema submitted the required closure certification or that the U.S. Environmental Protection Agency or the Michigan Department of Natural Resources accepted the closure or approved a change in facility status. To close the unit, the Former Waste Transfer Pit was cleaned, filled with sand, and capped with concrete. This unit has no history of documented release. The Former Dehydrating Process was removed from the facility. This unit has no history of documented releases; however, slightly elevated levels of nickel, chromium, and copper were found in shallow soil samples collected from the SWMU 2 area in 1991. In 1992, Kamps excavated an approximately 500-square-foot area south of the process building (former location of SWMU 2) to an average depth of approximately 2 feet. The area was also capped with asphalt paving. No potential for release to environmental media from either of these SWMUs exists.

The facility is bordered on the north by Interstate 96 and Grand Trunk Western railroad, on the west by a vacant lot, on the south by Ridgeview Stamping (formerly Girod Steel Co.), and on the east by a vacant lot. The nearest school, Simons School, is located about 0.8 mile southeast of the facility. During Rozema's operation, the facility was surrounded by a 6-foot chain-link fence. The facility is also isolated by Interstate 96 and a railroad to the north. Rozema posted "No Trespassing" and "Danger" signs. Currently, access to the facility is not restricted.

The nearest surface water body, Indian Creek, is located 0.2 mile east of the facility and is used for recreational purposes. Ground water is used for industrial and private water supplies. The nearest private drinking water well is located 1,000 feet north of the facility. This well is located upgradient of the facility. The nearest industrial well is located on site. Sensitive environments are not located on site. The nearest sensitive environment, an emergent, palustrine wetland, is located 0.5 mile west of the facility.

PRC recommends that no further action be taken for the facility at this time.

RELEASED
DATE 1/1/07
RIN #
INITIALS mc

1.0 INTRODUCTION

PRC Environmental Management, Inc. (PRC), received Work Assignment No. R05032 from the U.S. Environmental Protection Agency (EPA) under Contract No. 68-W9-0006 (TES 9) to conduct preliminary assessments (PA) and visual site inspections (VSI) of hazardous waste treatment and storage facilities in Region 5.

As part of the EPA Region 5 Environmental Priorities Initiative, the RCRA and CERCLA programs are working together to identify and address RCRA facilities that have a high priority for corrective action using applicable RCRA and CERCLA authorities. The PA/VSI is the first step in the process of prioritizing facilities for corrective action. Through the PA/VSI process, enough information is obtained to characterize a facility's actual or potential releases to the environment from solid waste management units (SWMU) and areas of concern (AOC).

A SWMU is defined as any discernible unit at a RCRA facility in which solid wastes have been placed and from which hazardous constituents might migrate, regardless of whether the unit was intended to manage solid or hazardous waste.

The SWMU definition includes the following:

- RCRA-regulated units, such as container storage areas, tanks, surface impoundments, waste piles, land treatment units, landfills, incinerators, and underground injection wells
- Closed and abandoned units
- Recycling units, wastewater treatment units, and other units that EPA has usually exempted from standards applicable to hazardous waste management units
- Areas contaminated by routine and systematic releases of wastes or hazardous constituents. Such areas might include a wood preservative drippage area, a loading or unloading area, or an area where solvent used to wash large parts has continually dripped onto soils.

An AOC is defined as any area where a release of hazardous waste or constituents to the environment has occurred or is suspected to have occurred on a nonroutine and nonsystematic basis. This includes any area where a strong possibility exists that such a release might occur in the future.

The purpose of the PA is as follows:

- Identify SWMUs and AOCs at the facility
- Obtain information on the operational history of the facility
- Obtain information on releases from any units at the facility
- Identify data gaps and other informational needs to be filled during the VSI

The PA generally includes review of all relevant documents and files located at state offices and at the EPA Region 5 office in Chicago.

The purpose of the VSI is as follows:

- Identify SWMUs and AOCs not discovered during the PA
- Identify releases not discovered during the PA
- Provide a specific description of the environmental setting
- Provide information on release pathways and the potential for releases to each medium
- Confirm information obtained during the PA regarding operations, SWMUs, AOCs, and releases

The VSI includes interviewing appropriate facility staff; inspecting the entire facility to identify all SWMUs and AOCs; photographing all visible SWMUs; identifying evidence of releases; making a preliminary selection of potential sampling parameters and locations, if needed; and obtaining additional information necessary to complete the PA/VSI report.

This report documents the results of a PA/VSI of the Rozema Industrial Waste, Inc. (Rozema), facility (EPA Identification No. MID 000 647 032) in Walker, Kent County, Michigan. The PA was completed on October 20, 1992. PRC gathered and reviewed information from the Michigan Department of Natural Resources (MDNR) and from EPA Region 5 RCRA files. PRC also gathered information from the U.S. Geological Survey (USGS), U.S. Department of Interior (USDI), Federal Emergency Management Agency (FEMA), Michigan Soil Conservation Service, and Golden Valley State University. The VSI was conducted on October 21, 1992. It included interviews with facility representatives and a walk-through inspection of the facility. PRC identified two SWMUs and no AOCs at the facility.

The VSI is summarized and four inspection photographs are included in Attachment A. Field notes from the VSI are included in Attachment B.

2.0 FACILITY DESCRIPTION

This section describes the facility's location; past and present operations; waste generating processes and waste management practices; a history of documented releases; regulatory history; environmental setting; and receptors.

2.1 FACILITY LOCATION

The Rozema facility is located at 2900 Peachridge Avenue in Walker, Kent County, Michigan. Figure 1 shows the location of the facility in relation to the surrounding topographic features (latitude 043°01'000" N and longitude 085°44'018" W). The facility occupies 8 acres in a mixed-use area.

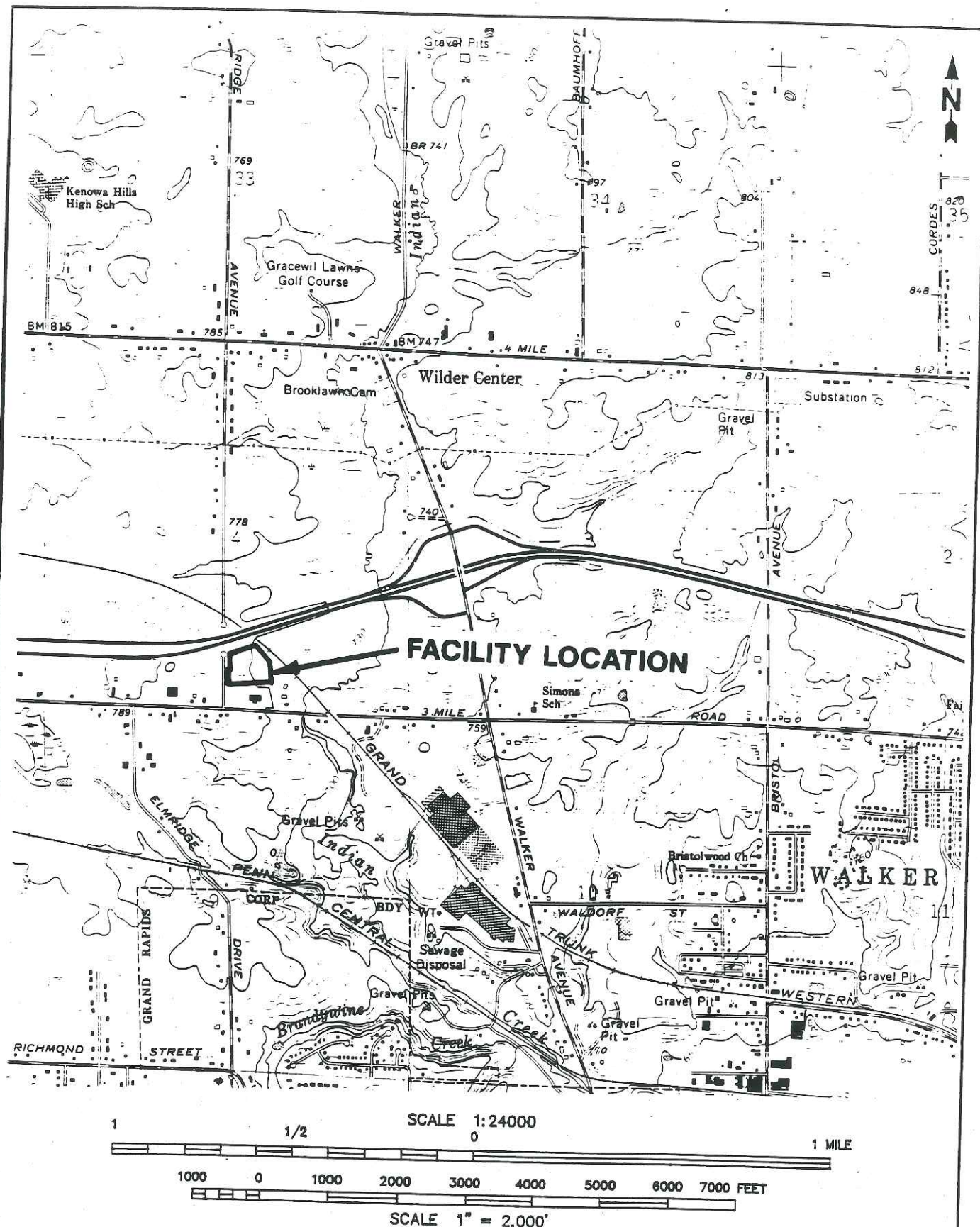
The facility is bordered on the north by Interstate 96 and the Grand Trunk Western railroad, on the west by a vacant lot, on the south by Ridgeview Stamping (formerly Girod Steel Co.), and on the east by a vacant lot.

2.2 FACILITY OPERATIONS

Currently, Kamps Pallet, Inc. (Kamps) operates the facility, constructing and repairing wooden pallets. Kamps has operated the facility since 1982 and employs 40 people at its Peachridge facility. Kamps does not generate hazardous waste and is not a regulated facility.

From 1979 to 1982, Rozema operated as a treatment, storage, or disposal (TSD) facility for, and a transporter of, treated metal hydroxide sludge (F006). Rozema employed eight people. In 1979, Rozema purchased the facility property and constructed an office building, a process building, and the concrete Former Waste Transfer Pit (SWMU 1) in the process building. From 1979 to 1981, Rozema accumulated treated metal hydroxide sludge in SWMU 1 before transporting the sludge to Wayne Disposal in Detroit, Michigan. Rozema may have stored hazardous waste in SWMU 1 for greater than 90 days. During the summer of 1980, Rozema initiated startup of the Former Dehydrating Process (SWMU 2) that included a rotary dryer, baghouse, and two waste storage silos. The dehydrating process only operated as a pilot plant. SWMU 2 ceased operation completely after the summer of 1980. In 1981, Rozema completed facility closure activities, and continued to operate as a transporter of hazardous waste. During that time, Rozema used the facility as a parking garage for waste hauling trucks. No hazardous waste was stored on site after closure activities were completed in 1981.

ROZE-LOC.DWG -- 1/12/93 -- RAO -- 309-R05032M42



SOURCE: MODIFIED FROM USGS,
CEDAR SPRINGS SW, MICH QUADRANGLE, 1972



ROZEMA INDUSTRIAL WASTE, INC.
WALKER, MICHIGAN

FIGURE 1
FACILITY LOCATION

PNC ENVIRONMENTAL MANAGEMENT, INC.

During Rozema's operation, the facility consisted of an office building, process building, paved driveway around the process building, and an undeveloped field. The office building occupied 720 square feet. The 7,200-square-foot process building consisted of three sections: two 60- by 40-foot drive-through areas on the east and west sides of the building, and the 60- by 45- by 8-foot-deep Former Waste Transfer Pit (SWMU 1) in the center section. The Former Dehydrating Process (rotary dryer, baghouse, and storage silos) (SWMU 2) was located outside, on the south side of the process building.

Since 1982, Kamps has made several modifications to the property. Kamps increased the paved area surrounding the process building, added a mechanics shop and built a new office and parking area south of the former Rozema office.

The solid wastes generated from Rozema operations and the SWMUs where they were managed are discussed in detail in Section 2.3.

2.3 WASTE GENERATION AND MANAGEMENT

From 1979 to 1981, Rozema accepted treated metal hydroxide sludges (F006) from local electroplating facilities and from Rozema's treatment facility in Wyoming, Michigan. Sludge was offloaded from 16-cubic-yard roll-off boxes into the Former Waste Transfer Pit (SWMU 1). The accumulated sludge was then transferred by a backhoe to 30-cubic-yard roll-off boxes for transportation to Wayne Disposal in Detroit, Michigan. Maximum operating capacity at Rozema was approximately 60 cubic yards per day, 5 days per week. Treated metal hydroxide sludge may have accumulated in SWMU 1 for greater than 90 days.

During the summer of 1980, Rozema began operating the Former Dehydrating Process (SWMU 2). During SWMU 2's operation, treated metal hydroxide sludge was dehydrated in the rotary dryer; the rotary dryer exhaust discharged through the baghouse, and the dehydrated sludge (F006) was stored in the waste storage silos. Although the process efficiently dehydrated the treated metal hydroxide sludge into fine powder, Rozema was unable to find customers for the dehydrated sludge. As a result, the dehydrating process only operated as a pilot plant, and dehydrating operations ceased completely at the end of the summer of 1980. Rozema representatives did not know the quantity of dehydrated sludge generated.

In 1981, Rozema completed facility closure activities, and continued to operate as a transporter of hazardous waste. During that time, Rozema used the facility as a parking garage for waste hauling trucks. No hazardous waste was stored on site after closure activities were completed in 1981.

The facility's SWMUs are identified in Table 1. The Rozema and Kamps facility layouts, including SWMUs, are shown in Figures 2 and 3, respectively. The facility's waste streams are summarized in Table 2.

2.4 HISTORY OF DOCUMENTED RELEASES

The facility has no history of documented releases to environmental media. However, an environmental audit, conducted by Superior Environmental Corp. (Superior), for Kamps, identified sporadic occurrences of slightly elevated levels of nickel, chromium, and copper in the soil south of the process building (former location of SWMU 2), and toluene in a drain field water sample (Superior, 1991).

Superior conducted a two-phased environmental site assessment. During the Phase II activities, elevated levels of nickel, chromium, and copper [260 to 410 parts per million (ppm)] were detected in one soil boring at a depth of 1 to 2 feet below ground surface (bgs). A sample from the same boring, collected from a depth of 16 to 17 feet bgs, had only trace amounts of nickel and copper. In addition, a water sample collected from the facility's septic drain field contained 61 parts per billion (ppb) toluene (Superior, 1991).

On August 16, 1991, Superior conducted a follow-up investigation, drilling five soil borings in the unpaved area south of the process building. Superior collected representative samples from each of the borings and submitted them to Trace Environmental Services for analysis. In addition, Superior collected another water sample from the drain field (Superior, 1991).

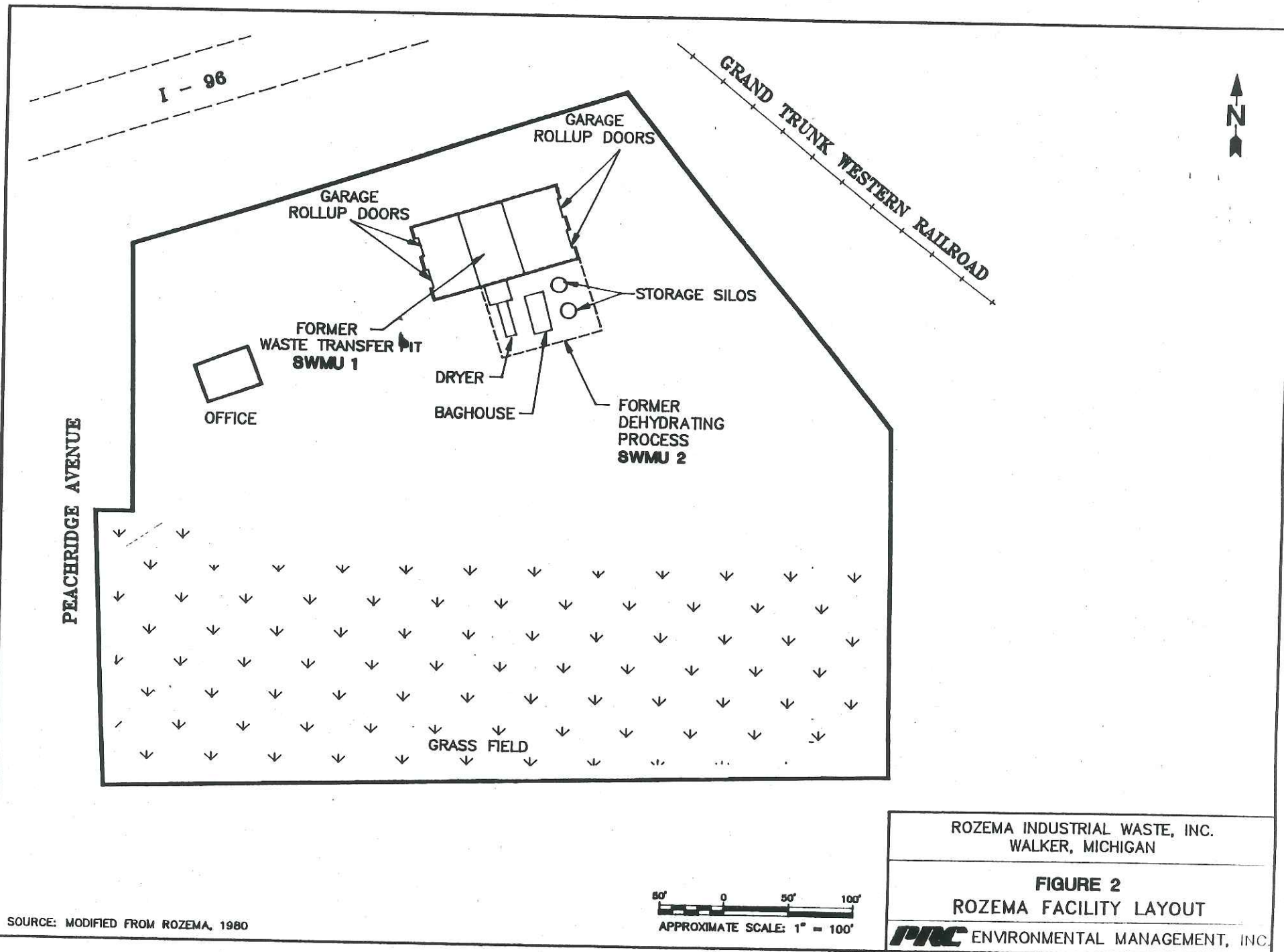
According to Superior, the analytical results of the follow-up sampling indicated that nickel, chromium, and copper levels were "consistent with local and established background levels for clay soils in [the] area." Superior cited MDNR's document, "Verification of Soil Remediation," dated October 26, 1990, as giving calculated background levels as 14.0 to 16.9 ppm for nickel; 15.3 to 15.8 ppm for chromium; and 15.4 to 20.1 ppm for copper. Only two samples, each collected from depths less than 3 feet, had concentrations slightly higher than calculated background levels. These levels were 30 and 33 ppm nickel, 17 and 23 ppm chromium, and 27 and 28 ppm copper. One soil sample was also submitted for toxicity characteristic leaching procedure (TCLP) analysis. TCLP results were below detectable levels for all three metals (Superior, 1991).

TABLE 1
SOLID WASTE MANAGEMENT UNITS

<u>SWMU Number</u>	<u>SWMU Name</u>	<u>RCRA Hazardous Waste Management Unit^a</u>	<u>Status</u>
1	Former Waste Transfer Pit	Yes	Inactive; closed in 1981; formerly managed treated metal hydroxide sludges (F006)
2	Former Dehydrating Process	Yes	Inactive; closed in 1981; formerly managed treated metal hydroxide sludges (F006)

Note:

^a A RCRA hazardous waste management unit is one that currently requires or formerly required submittal of a RCRA Part A or Part B permit application.





I - 96

GRAND TRUNK WESTERN RAILROAD

ASPHALT

LOADING DOCK

ASPHALT

SHIPPING

MECHANICS SHOP

ASPHALT

OFFICE

PEACHRIDGE AVENUE

- LEGEND
- ⊗ SOIL BORING
 - ⊙ MANHOLE
 - PROPERTY LINE



ROZEMA INDUSTRIAL WASTE, INC.
WALKER, MICHIGAN

FIGURE 3
KAMPS FACILITY LAYOUT

PNC ENVIRONMENTAL MANAGEMENT, INC.

SOURCE: MODIFIED FROM SUPERIOR ENVIRONMENTAL CORPORATION, 1991

ROS-KAMP.DWG - 1/12/83 - DAZ - 308-ROS032M42

TABLE 2
SOLID WASTES

<u>Waste/EPA Waste Code</u>	<u>Source</u>	<u>Solid Waste Management Unit</u>
Treated metal hydroxide sludge/F006	Electroplating facilities and Rozema's Wyoming, Michigan facility	SWMUs 1 and 2
Dehydrated treated metal hydroxide sludge/F006	Former dehydrating process	SWMU 2

The water sample collected from the drain field contained 5.9 ppb toluene and 4.3 ppb xylenes (Superior, 1991). These levels are below the current MDNR Act 307 Type B cleanup criteria for ground water (MDNR, 1992).

In its summary report, Superior indicated that soil and water sampling, handling, preservation, and analysis were performed in accordance with approved EPA and MDNR protocols. Superior also stated that all drilling and sampling apparatus were decontaminated prior to and between uses (Superior, 1991).

Superior recommended that Kamps remove the upper 6 to 12 inches of soil in the area south of the process building (Superior, 1991). In a letter, dated April 23, 1992, Superior documented its April 17, 1992 observations of the remediation activities being conducted by Kamps. Superior observed that soils had been excavated to an average depth of approximately 2 feet, over an approximately 500-square-foot area south of the process building. Clean sand material was backfilled into the excavation. Kamps advised Superior that it planned to complete the remediation activities by capping the area with asphalt paving (Superior, 1992). According to Kamps, paving was completed during the summer of 1992.

2.5 REGULATORY HISTORY

Rozema submitted a Notification of Hazardous Waste Activity form to EPA on August 11, 1980 (Rozema, 1980a). Rozema submitted a RCRA Part A permit application on November 17, 1980 (Rozema, 1980b). Rozema listed tank storage (process code S02) of 161,600 gallons of F006 waste, and treatment in a rotary dryer (process code T04) of 5,000 gallons of F006 waste per day.

In July 1981, Rozema submitted a facility closure plan to EPA, and indicated that Rozema would continue to operate as a hazardous waste transportation facility (Rozema, 1981). PRC was unable to locate a copy of the closure plan; however, according to Rozema representatives, closure activities included removing all hazardous waste from the facility; decontaminating SWMU 1, filling it with sand and capping it with a layer of concrete; and removing the SWMU 2 equipment. A MDNR internal memorandum, dated February 2, 1982, states that a site visit, conducted on September 22, 1981, confirmed that all hazardous waste had been removed from the site, and that Rozema's closure plan had been followed (MDNR, 1982). The MDNR memorandum also indicated that Rozema had not submitted certification of final closure. EPA approved the closure plan in a letter dated July 23, 1982 (EPA, 1982). PRC found no documentation that Rozema submitted the required closure certification or that EPA or MDNR accepted the closure or approved a change in facility status.

In the spring of 1982, Valley City purchased the facility property to keep it from being foreclosed on by Rozema's bank. Valley City never operated at the facility. In the fall of 1982, Valley City sold the property to Kamps.

MDNR conducted a RCRA interim status inspection on March 10, 1981. No violations were noted (MDNR, 1981a). In September 1981, MDNR conducted a hazardous waste hauling facility inspection. Again, no violations were noted (MDNR, 1981b).

The MDNR Air Quality Division required that the facility have a permit for the rotary dryer. Rozema operated the rotary dryer in pilot plant phase under Permit No. 950-78. No violations of this permit were documented. The facility had no history of odor complaints from area residents.

Rozema had no industrial discharges, and, therefore, did not have National Pollution Discharge Elimination System (NPDES) or sanitary sewer discharge permits. The facility did not have any underground storage tanks. No CERCLA activity has been documented at the facility.

2.6 ENVIRONMENTAL SETTING

This section describes the climate; flood plain and surface water; geology and soils; and ground water in the vicinity of the facility.

2.6.1 Climate

The climate information for the Rozema facility is obtained from climate information for the Grand Rapids area. The average daily temperature is 48.5 degrees Fahrenheit (°F). The lowest average daily temperature is 16.1 °F in January. The highest average daily temperature is 83.1 °F in July (PRC, 1992a).

The majority of the area's precipitation occurs between April and September. The total annual precipitation for the county is 32 inches. The mean annual lake evaporation for the area is about 30 inches. The 1-year, 24-hour maximum rainfall is about 2.2 inches (PRC, 1992a).

Prevailing winds are generally from the south, southwest, or west-northwest. The mean annual wind speed is 10.6 miles per hour (PRC, 1992a).

2.6.2 Flood Plain and Surface Water

The Rozema facility is not located in a 100-year flood plain (FEMA, 1982). The nearest surface water body, Indian Creek, is located 0.2 mile east of the facility and is used for recreational purposes.

Surface water drainage at the facility flows east, via overland flow, to Indian Creek about 0.2 mile from the facility.

2.6.3 Geology and Soils

The Rozema facility lies within the Michigan Basin structure. The Michigan Basin consists of a thick sequence of sedimentary rocks. The sedimentary bedrock structure dips gently to the north. The bedrock in the area is covered by glacial drift, consisting of outwash, lake beds, sand, or spillways (PRC, 1992a).

According to the driller's log for an on-site well, the geology below the facility is as follows: red clay from 0 to 15 feet bgs, brown clay from 15 to 20 feet bgs, clay and gravel from 20 to 26 feet bgs, hardpan from 26 to 38 feet bgs, brown clay from 38 to 81 feet bgs, and gravel from 81 to 88 feet bgs (Raymer Company, Inc., 1979).

Bedrock is first encountered at approximately 250 feet bgs and consists of late Mississippian-aged, Grand Rapids Group, Michigan Formation Sandstone overlying the Marshall Formation Sandstone and Coldwater Shale. The Michigan formation is 0 to 250 feet thick and is composed primarily of shale and gypsum, with minor beds of sandstone and limestone. A bed of hard, brown to buff, dolomitic limestone usually occurs at the base of the Michigan Formation, separating it from the underlying Marshall Formation. The Marshall Formation is approximately 100 to 300 feet thick and is composed almost entirely of white, pink, or red sandstone. The Napoleon Sandstone member, found in the upper part of the Marshall Formation, is the primary water-bearing aquifer. The Coldwater Shale consists of fine-grained sediment (PRC, 1992a).

2.6.4 Ground Water

According to the driller's log for the on-site well, ground water below the site is first encountered at 26 feet bgs (Raymer Company, Inc., 1979). The following paragraphs discuss the regional ground-water setting of Kent County.

The Pleistocene Epoch glacial drift aquifers in Kent County may or may not be aquifers at the surface. They consist of interbedded aquifers, aquicludes, and aquitards. Ground water in the glacial drift aquifers is generally of "good" drinking water quality, but hard. Wells with a diameter of 8 inches or more can yield between 100 and 500 gallons per minute (gpm). Chemical analysis of glacial drift ground water in Kent County shows about 250 milligrams per liter (mg/L) total dissolved solids, about 20 mg/L chloride, and a specific conductance of 300 micromhos per centimeter (umhos/cm) (PRC, 1992a).

The Mississippian-aged bedrock aquifer system in Kent County includes the Michigan and Marshall Formation Sandstones overlying Coldwater Shale. The Michigan Formation generally yields only small quantities of poor-quality water. The Marshall Formation provides high-quality water, with water primarily originating in the Napoleon Sandstone member. Chemical analyses of bedrock ground water in Kent County show about 10,000 mg/L total dissolved solids; about 5,000 mg/L chloride; and a specific conductance of 1,000 umhos/cm. Less than 10 percent of the 11,511 ground-water wells in Kent County are completed in bedrock (PRC, 1992a).

The city of Walker obtains its drinking water from the city of Grand Rapids. Grand Rapids obtains its drinking water from Lake Michigan intakes located due west of Grand Rapids and approximately 5 miles south of Grand Haven, Michigan. Residents of Walker are not required to use city water if they have a functioning well. The nearest drinking water well is located upgradient at a residence about 1,000 feet north of the facility. The facility has one on-site ground-water well that is used for facility sanitary and drinking water purposes. Ground water flows in a southwest direction towards Grand River, which eventually enters Lake Michigan at a point 5 miles north of the Grand Rapids intakes (PRC, 1992b).

2.7 RECEPTORS

The facility occupies 8 acres in a mixed-use area in Walker, Michigan. Walker has a population of about 17,000.

The facility is bordered on the north by Interstate 96 and Grand Trunk Western railroad, on the west by a vacant lot, on the south by Ridgeview Stamping (formerly Girod Steel Co.), and on the east by a vacant lot. The nearest school, Simons School, is located about 0.8 mile southeast of the facility. During Rozema's operation, the facility was surrounded by a 6-foot chain-link fence. The facility is also isolated by Interstate 96 and a railroad to the north. Rozema posted "No Trespassing" and "Danger" signs. Currently, access to the facility is not restricted.

The nearest surface water body, Indian Creek, is located 0.2 mile east of the facility and is used for recreational purposes.

The city of Walker obtains its drinking water from the city of Grand Rapids. Grand Rapids obtains its drinking water from Lake Michigan intakes located due west of Grand Rapids and approximately 5 miles south of Grand Haven, Michigan. Residents of Walker are not required to use city water if they have a functioning well. Therefore, in some cases, ground water is used for industrial and private water supplies. The nearest private drinking water well is located 1,000 feet north of the facility. This well is located upgradient of the facility. The nearest industrial well is located on site.

Sensitive environments are not located on site. The nearest sensitive environment, an emergent, palustrine wetland, is located 0.5 mile west of the facility (USDI, 1985).

3.0 SOLID WASTE MANAGEMENT UNITS

This section describes the two SWMUs identified during the PA/VSI. The following information is presented for each SWMU: description of the unit, dates of operation, wastes managed, release controls, history of documented releases, and PRC's observations. Figure 2 shows the SWMU locations.

SWMU 1

Former Waste Transfer Pit

Unit Description:

This unit was a 45- by 60- by 8-foot deep concrete pit located in the center of the process building. The unit's 12-inch-thick walls were made of reinforced concrete and rose 1 foot above the building floor grade. No floor drains were located in the pit or anywhere in the process building.

Date of Startup:

This unit began operation in approximately 1979.

Date of Closure:

This unit was closed in 1981. EPA approved the closure plan in July 1982. PRC found no documentation that Rozema submitted the required closure certification or that EPA or MDNR accepted the closure or approved a change in facility status.

Wastes Managed:

This unit managed treated metal hydroxide sludge (F006) from local electroplating facilities. Sludge was accumulated in this unit before being sent to Wayne Disposal in Detroit, Michigan.

Release Controls:

This unit was located within a building that had no floor drains. The unit was constructed of 12-inch-thick reinforced concrete and had no floor drains.

History of Documented Releases:

No releases from this unit have been documented.

Observations:

This unit was filled with sand and capped with concrete when it was closed in 1981. Photograph No. 1 shows the inside of the process building and the interface between the concrete floor and the capped pit. Photograph No. 2 is a close-up of the floor-pit interface. PRC noted no evidence of release.

SWMU 2**Former Dehydrating Process****Unit Description:**

This unit consisted of a rotary dryer, baghouse, and two 1,600-cubic-foot waste storage silos. The unit was located outside on an unpaved area south of the process building.

Date of Startup:

This unit began operation in early summer 1980.

Date of Closure:

This unit ceased operation in late summer 1980. The unit was removed from the facility in 1981. PRC found no documentation that Rozema submitted the required closure certification or that EPA or MDNR accepted the closure or approved a change in facility status.

Wastes Managed:

This unit was used to dehydrate treated metal hydroxide sludge (F006). Sludge was dehydrated in the dryer and the resulting fine powder was stored in the waste storage silos. Ultimately the fine powder was disposed of at Wayne Disposal in Detroit, Michigan.

Release Controls:

This unit included a baghouse. Exhaust from the dryer discharged to the baghouse before discharging to the atmosphere.

**History of
Documented Releases:**

No releases from this unit have been documented; however, slightly elevated levels of nickel, chromium, and copper were found in soil samples collected from the area. Section 2.4 describes sampling and remediation of the area.

Observations:

This unit was removed from the facility in 1981. PRC observed the former location of the unit (see Photograph No. 3). PRC noted no evidence of release. Photograph No. 4 is an overview of the entire facility.

4.0 AREAS OF CONCERN

PRC identified no AOCs during the PA/VSI.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The PA/VSI identified two SWMUs and no AOCs at the Rozema facility. Background information on the facility's location; operations; waste generation and management; history of documented releases; regulatory history; environmental setting; and receptors is presented in Section 2.0. SWMU-specific information, such as the unit's description, dates of operation, wastes managed, release controls, history of documented releases, and observed condition, is presented in Section 3.0. Following are PRC's conclusions and recommendations for each SWMU. Table 3, located at the end of this section, summarizes the SWMUs at the facility and the recommended further actions.

SWMU 1 Former Waste Transfer Pit

Conclusions: This unit was cleaned, filled with sand, and capped with concrete in 1981. However, PRC found no documentation that Rozema submitted the required closure certification or that EPA or MDNR accepted the closure or approved a change in facility status. This unit has no history of documented release. No potential for release to environmental media from this unit exists.

Recommendations: PRC recommends no further action for this SWMU.

RELEASED
DATE 6/1/01
RIN #
INITIALS

SWMU 2 Former Dehydrating Process

Conclusions: This unit was removed from the facility in 1981. However, PRC found no documentation that Rozema submitted the required closure certification or that EPA or MDNR accepted the closure or approved a change in facility status. This unit has no history of documented releases; however, slightly elevated levels of nickel, chromium, and copper were found in soil samples collected from the area. Section 2.4 describes sampling and remediation of the area. No potential for release to environmental media from this unit exists.

Recommendations: PRC recommends no further action for this SWMU. PRC recommends that Kamps and Rozema representatives (now working for Valley City Refuse Disposal, Inc.) submit all SWMU 2 area investigative and remediation activity reports to EPA and MDNR.

ENFORCEMENT
CONFIDENTIAL

TABLE 3
SWMU SUMMARY

<u>SWMU</u>	<u>Dates of Operation</u>	<u>Evidence of Release</u>	<u>Recommended Further Action</u>
1. Former Waste Transfer Pit	1979 to 1981	None	No further action recommended
2. Former Dehydrating Process	1980	Slightly elevated levels of metals in soil--remediated in 1992	No further action recommended for SWMU--investigative and remediation activity reports should be submitted to EPA and MDNR

RELEASED

DATE

RIN #

INITIALS

REFERENCES

- Environmental Protection Agency (EPA), 1982. Letter to Ronald Cheyne, Rozema, from Basil Constantelos, July 23.
- Federal Emergency Management Agency (FEMA), 1982. Flood Insurance Rate Map, City of Grand Rapids, Michigan, Kent County, November 5.
- Michigan Department of Natural Resources (MDNR), 1981a. RCRA Inspection Report, March 10.
- MDNR, 1981b. Hazardous Waste Hauling Facility Inspection, September 22.
- MDNR, 1982. Internal Memorandum from Brian Monroe to Al Howard, February 2.
- MDNR, 1992. Interoffice Communication regarding Act 307 Type B Cleanup Criteria, January 8.
- PRC Environmental Management, Inc. (PRC), 1992a. Knappe and Vogt Manufacturing Co. Preliminary Assessment/Visual Site Inspection Report, No. 009-C05087MI4P, September 16.
- PRC, 1992b. Record of Telephone Conversation between Jean Michaels and City of Grand Rapids Water Department, December 11.
- Raymer Company, Inc., 1979. Water Well Record for a well installed at 2900 Peachridge Ave., Walker, Michigan, August 23.
- Rozema, 1980a. Notification of Hazardous Waste Activity Form, August 11.
- Rozema, 1980b. RCRA Part A Permit Application, November 17.
- Rozema, 1981. Letter to EPA, closure plan attached, July 14.
- Superior Environmental Corp. (Superior), 1991. Report of Phase II Environmental Site Assessment, Kamps Pallets, Inc. (Kamps), October 8.
- Superior, 1992. Letter to B. Kamps (Kamps), April 23.
- U.S. Department of Interior (USDI), 1985. National Wetlands Inventory Map for Cedar Springs SW, Michigan Quadrant.

ATTACHMENT A
VISUAL SITE INSPECTION SUMMARY AND PHOTOGRAPHS

VISUAL SITE INSPECTION SUMMARY

Rozema Industrial Waste Inc.
2900 Peachridge Avenue
Walker, Michigan 49504
(MID 000 647 032)

Date: October 21, 1992

Primary Facility Representative: Ronald Cheyne, Valley City Refuse Disposal, Inc.
(Valley City)
Representative Telephone No.: (616) 235-1500
Additional Facility Representatives: Jerry Rozema, Valley City
Fred Rozema, Valley City

Inspection Team: Jean Michaels, PRC Environmental Management, Inc. (PRC)
Patrick McGowan, PRC
Dale DeKraken, Michigan Department of Natural Resources (MDNR)

Photographer: Patrick McGowan, PRC

Weather Conditions: Cloudy, calm, 47 °F

Summary of Activities: The visual site inspection (VSI) began at Valley City at 8:00 a.m. with an introductory meeting. The VSI began at Valley City because a former Rozema employee and the two sons of the facility's owner (now deceased) currently work at Valley City. The inspection team explained the purpose of the VSI and the agenda for the visit. Facility representatives then discussed the Rozema Industrial Waste, Inc. (Rozema), facility's past and current operations, solid wastes generated, and release history. Facility representatives provided the inspection team with copies of requested documents.

The VSI tour at the Kamps Pallets, Inc. facility (formerly the Rozema facility), began at 10:30 a.m. PRC observed the inside of the process building, the area where the Former Waste Transfer Pit (SWMU 1) was located, and the area where the Former Dehydrating Process (SWMU 2) was located.

The tour concluded at 10:45 a.m., after which the inspection team visited a second site previously owned by Rozema (MID 000 266 957). Then the inspection team held an exit meeting with facility representatives. The VSI was completed and the inspection team left the facility at 11:50 a.m.



Photograph No. 1

Orientation: East

Location: SWMU 1

Date: 10/21/92

Description: Inside the process building--shows interface between concrete floor and Former Waste Transfer Pit (SWMU 1)



Photograph No. 2

Orientation: East

Location: SWMU 1

Date: 10/21/92

Description: Close-up of interface between concrete floor and Former Waste Transfer Pit (SWMU 1)



Photograph No. 3

Orientation: East

Description: South side of the process building--shows location of Former Dehydrating Process (SWMU 2)

Location: SWMU 2

Date: 10/21/92



Photograph No. 4

Orientation: South

Description: Overview of entire facility--process building on left (gold building), former Rozema office in center (brown building with white roof), and Kamps Pallets, Inc., office on right (low brown building)

Location: Entire facility

Date: 10/21/92

ATTACHMENT B
VISUAL SITE INSPECTION FIELD NOTES

(34)

10/21/92 Rozema Industrial Waste, Inc.
8:00am PRC at Valley City

Cloudy - 47°
309R05032MI41: Rozema/Thornwood in Wyoming, MI
309R05032MI42: Rozema/Peachridge in Walker, MI

Gerry R.
Fred R.
Ron Cheyne
Dale DeKraak

Thornwood - UCD purchased
4 acres - then sold to RIW

12in Concrete reinforced pit
blue prints submitted to MDNR?
Metal OH would be put into
pit
laid tile zigzagged through
tile, then gravel, finer & finer,

JPM 10/21/92

(85)

top was sand -

Water drained to Wyoming City - mentioned
Back-hired top layer of sludge to roll-off
MI Disposal in Detroit, MI
Z Wayne Disposal

Dick Olsen - GR Air Quality has
records that show metal OH didn't blow
Ray Gray - MDNR

Rozema Sr. bought property at
Peachridge - brygm installed
concrete pit w/ enclosed
building - stored metal OH
from Thornwood and from
other plating companies.

JPM 10/21/92

(86)

As plating co. started buying
fuller presses - Thornwood
facility wasn't needed so
property was sold back to
VCD. Rozema, Sr. cleaned
up site before sale. (7/20/81)
VCD built additional bldg (2/20/83)
on top of former pits - for
garage and truck rental

Thornwood

4 original small pits (1977)
then 2 long pits 40' x 100' (1979)
by 1981 closed Thornwood

Peachridge

9/22/1981 - facility closed as TSD
started 1979-1980 - constructed

JM 10/21/92

(87)

8' deep
pit and bldg (property belonged
to Steel Co.)

Peachridge - continued as transporter
facility until 5/82. Then bank
reclaimed land - VCD took
over clean so VCD owned property
but never operated at property
Then sold to Kamps Pallets

When VCD purchased property, the
pit had been cleaned up, & pit
filled w/ sand & topped w/
concrete - new garage

Kamps conducted environmental
audit w/ Superior Env. - Mame, MI

JM 10/21/92

(88)

Thornwood accepted Foxe liquids
Liq: went to sanitary
Solids: went to Wayne some
went to Peachridge (?) they aren't
sure

Peachridge
accepted filter cake from plate
once they were installed presses
at plating facilities
Then operated more as transfer
facility.

Thornwood
20K gpd in good times went down 5K gpd
25% volume of solids (800g → 1cy) (20cyd)

Peachridge
max: 60cy/d 5d/wk Foxe solids
to Wayne Disposal in Detroit

APM 10/21/12

(89)

Rozma probably did not have
P.E. certification for closures

Thornwood
40' x 120' - see sketches
Peachridge
no sanitary - operated trucks
from property - but trucks
were washed at Jensen
- had a well in office, gas
fired incinerator toilet (!)

Thornwood
~~area~~: 3.5 gpm 2.46 acres
employees: 3
N: residential
W: vacant city land
E: VCD
S: const. storage rd
residential
Wyoming vacant
Able Sanitation
truck trailers

APM 10/24/12

(90)

Peach

acres: 8 acres

employees: 2

N: 96 ± RR

W: vacant

E: vacant

S: Steel Co

Formerly

Ridgeview Stamping

Currently

10:00

Thornwood

Orders of Determination

-sampled for metals, CN, soil, etc,
pH once per week

10:30

Peach - well - Kaymer

lots of clay

Thornwood on city water

JM 10/24/82

(91)

Thornwood - no an permit

Peach - permit to construct for dryer

Thornwood Sold to 1 late 1987

Van Tongerans

Peach sold to Kamp 1982

Finished discussion at VCD

Called Kamps Pallets - on way

At Kamps Pallets

no sanitary at facility during R/W

run off to ditches by Highway 5

RR

Photo 1: Floor at Kamps where pit

Photo 2: General of inside bldg

Photo 3: location of former dryer

Asphalt rotary kiln dry

8' x 40' dryer drum

JM 10/26/82

(92)

10:45 Leaving Kamps - will return
to see environmental audit of
property
Photo 4: S overview from I96
Indian Mill Creek to the W of RR
Area is much more developed than
10 yrs. ago.

11:15 at Mercury Canning
Photo 5: E bottom of building below
two long filters
Photo 6: W empty area were
3rd filter
Photo 7: W - filled filters
11:50 Leaving Mercury
lunch

Jan 10/21/92

(93)

- Went to Soil Conserv. Agency
- Health Dept.
2:30 Back at Kamps - picked
up copy of env. report
used phone to call
Golden Valley State Univ
opt gen mfr.
3:00 Off site - vsls complete

~~Jan 10/21/92~~

Jan 10/21/92

①

8:00 AM ET 10/21/92

Rozema INDUSTRIAL WASTE
Cloudy 47°

PRC

PATRICK McGeehan

Jean Michaels

Dafe

MDNR

Rozema son

Rozema son-in-law

Rozema son

Jenny Rozema

The metal hydroxide sludge was taken to

Thornwood. 12" thick 8 feet deep concrete

pits. Prints sent to DNR for Approval.

Metal hydroxide in the pit with tile

zig zagged on bottom Rock to sand go to a sister

and then into City of Hyogo waste treatment

who tested weekly. Solids sent to

Mic began disposal -> Wayne disposal #1

Neighbor opposition Air testing said no

problems

PTM 10/21/92

Sludge was going to Detroit and decided

to send material to new facility with 3 mile

rotary kiln. Concrete pit would store

material and dry the material outside

in rotary dryer. 2.64

Thornwood was 7 1/2 years sick that was sold

back to sick. ~~Thornwood~~ had been in inspect

Metal hydroxide Sludge Removal Building

per not granted for concrete floor & cement block

buildings can be constructed above these

4 small filters 40' deep built 77

Heavy area 40' x 100' built '79

whole thing was over 3 mile 1981

June 82 closed completely

Thornwood closed 80

3 mile 79 or 80 opened

property bought from Gerard Skel

9351 peach facility closed except as transport.

July 20 1981 thornwood bought back by son

PTM 10/24

11) No chemical treatment. Liquid went to clarifier. Rotary DRYER not economically feasible without a by-product hydrochloric acid. Loan was taken over by son & Fred Pallett remodeled deck on top - would hold metal business took place. Camps. The pit at the place was filled & filled. Completed building. Camps below and with Superior Environmental. More Michigan. Thornwood F006 - separate water & solid & sent to Wayne. Valley city would take to 3 mile more wall. 8' deep 12" out of ground. of a transfer facility. No standing letter saying that the facility is closed but MNPR letter recommending PE Certification. Other materials were hauled no more TSD of closure. No PE certification for closure. max 60 cu yd/day 5 days a week 3 mile road F006 transferred to waste disposal. Thornwood - 20,000 gal/day max slowly diminished.

12) ^{covered parcel with concrete catch basin incinerator}
 Thornwood 440' x 60' 6/1/90
 2 40' x 100'
 Storage tank 40 x 60
 30' x 30' office
 Chaining 6' surrounds facility 8' deep pits and stepped out of ground 1' additional
 "Almost a waste water treatment type facility" NE
 Peachridge Grind steel was neighbor, I 94, Railroad
 45' x 60' in 60' x 100' range 12" thick concrete
 wall. 8' deep 12" out of ground.
 Dryer storage, silos, & baghouse are the most important equipment.
 10' dia x 20-30' high
 Other materials were hauled no more TSD
 truck storage. Truck wash off facility
 well dug on site. pump - drillers installed in
 3 mile Road 8 acres 1/3 in use.
 206 yard for a wood
 Thornwood 8 employees. Near W - Uncont
 S - construction E Valley city refuse
 8 employees at other

PJM
 10/21/90

01/24/90

13

Thornwood "Orders to determination"

sampled solids metals in water reported
gallons discharged. Eco sampler composite.

20,000 gal → 5,000 gal

10 most employees.

25-30% of waste in is volume out.

800 gal - 71 cu yd. 20-25 yds of sludge

heavy clay.

Thornwood had city waste

3 mile had permit to construct a permit to operate

for dryer with air discharge.

All closed materials sent to Wayne

Duke Camps Pallets - 1982 summer

Thornwood venting gases since late 80s

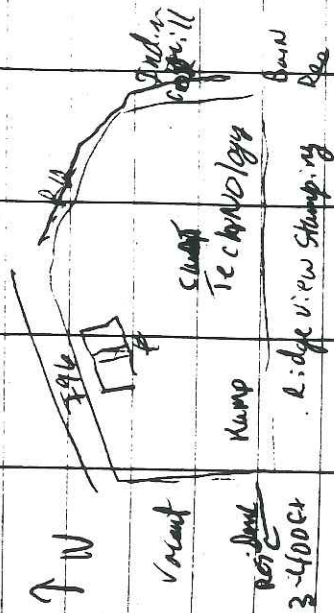
10:00 AM Background discussion ends.

14

10:30 Arrive at Peachtree - 34 mile Road

Kamps Pallet recycler

Roll off toward RR Possibly ditch
ditch toward Inter State



10:45 leave Kamps pallets

APM 10/1/82

APM 01/21/82

16

11:50 am Thru road facility

NA

Residence



Full
Village City
Relic
Abolitionist

Vacant
(camp)

Un. 1000000

Blow Construction

11:55 pm Thru road

10/2/1000

10/2/1000

10/2/1000

